



Fourier transform infrared spectroscopy  U/VIS Spectroscopy  Dolymer & chemical characterization  Polymer & chemical characterization  Polymer & chemical characterization  Thermal Analysis  Thermal Analysis  Thermal Analysis  Electrochemical Impendence Spectroscopy (EIS)  Anti-Corrosion testing  Gas chromatography (GC)  Polymer & Material characterization  Mechanical Testing Machine (UTM)  Gel Permeation chromatography (GPC)  Dolymer & Material characterization  Mechanical Testing Machine (UTM)  Gel Permeation chromatography (GPC)  Dolymer & Material characterization  Mechanical Testing  Molecular weight distribution of polymer  Gloss value of paints & coatings  Mechanical Testing Polymer  Mechanical Testing  Mechanical Testing  Mechanical Testing  Mechanical Testing  Mechanical Testing  Tolor opportive the paints of paints & coatings  Mechanical Televibility Test for packaging  Color spectrophotometer  Coor spectrophotometer  Coor spectrophotometer  Coor opportive the paints of paints & coatings  Mechanical Televibility Test for packaging  Color comparator  Coating characterization  Coating characterization  Coating characterization  Testing  Anti-Corrosion Testing  Anti-Corrosion Testing  QUV weatherometer  Anti-Corrosion Testing  QUV weatherometer  Anti-Corrosion Testing  QUV weatherometer  Anti-Corrosion Testing  QUV weatherometer  Anti-Corrosion Testing  Couly Corrosion Tester  Dolor Anti-Corrosion Testing  Anti-Corrosion Testing  Couly Corrosion Testing  Couly Corrosion Testing  Dolor Anti-Corrosion Testing  Couly Couly Corrosion Testing  Couly Couly Corrosion Testing  Couly Couly Corrosion Testing  Couly Couly Corrosion Testing  Dolor Anti-Corrosion Testing  Couly Couly Corrosion Testing  Couly Couly Corrosion Testing  Dolor Anti-Corrosion Testing  Couly Corrosion Testing  Couly Couly Corrosion Testing  Couly	Sr.No	Instrument	Application
Differential scanning calorimetry (DSC) Thermal Analysis Thermogravimetric Analysis (TGA) Thermal Analysis Electrochemical Impendence Spectroscopy (EIS) Anti-corrosion testing Optical Contact Angle Meter (OCA) Surface energy & contact angle measurement Universal Testing Machine (UTM) Olimers Material characterization Mechanical Testing Olimers Material characterization Mechanical Testing Olimers Material characterization Mechanical Testing Olimers Olometer Olossometer Olossometer Olossometer Olossometer Olor spectrophotometer Olor and transparency properties. Olor and transparency properties. Olor spectrophotometer Olor and transparency properties. Olor spectrophotometer Olor and transparency properties. Olor corosion Testing Olor corosion Testing Olor corosion Testing Olor Anti-Corrosion Testing Olor Humidifier (IS 101) Anti-Corrosion Testing Olor Humidifier (IS 101) Anti-Corrosion Testing Olor Olor Anti-Olor Spectrophotometer Olor Impact Tester Olor Impact	1	Fourier transform infrared spectroscopy	Polymer & chemical characterization
Thermogravimetric Analysis (TGA) Thermogravimetric Testing Thermogravime	2	UV/VIS Spectroscopy	Polymer & chemical characterization
Electrochemical Impendence Spectroscopy (EIS) Optical Contact Angle Meter (OCA) Surface energy & contact angle measurement Gas chromatography (GC) Polymer & Material characterization Mechanical Testing Molecular weight distribution of polymer Gas element of polymer Glossometer Glossometer Glossometer Gloss value of paints & coatings Mechanical Flexibility Test for packaging Color and transparency properties. Color comparator Color comparator Color comparator Coating characterization Color comparator Coating characterization Cothic Disbondment Test Anti-Corrosion Testing Salt Spray ASTM B 117 Anti-Corrosion Testing Gastle Spray ASTM G 85 Anti-Corrosion Testing Cyclic Corrosion Tester Anti-Corrosion Testing Cyclic Corrosion Testing Cyclic Cycl	3	Differential scanning calorimetry (DSC)	Thermal Analysis
Optical Contact Angle Meter (OCA)  Gas chromatography (GC)  Bolymer & Material characterization  Gel Permeation chromatography (GPC)  Glossometer  Gloss value of paints & coatings  Mechanical Testing  Mechanical Flexibility Test for packaging  Color and transparency properties.  Color comparator  Color comparator  Color comparator  Color comparator  Color comparator  Color comparator  Anti-Corrosion Testing  Salt Spray ASTM B 117  Anti-Corrosion Testing  Anti-Corrosion Testing  Cyclic Corrosion Testing  Cyclic Corrosion Tester  Anti-Corrosion Testing  Cyclic Corrosion Tester  Anti-Corrosion Testing  Anti-Corrosion Testing  Cyclic Corrosion Tester  Anti-Corrosion Testing  Cyclic SWAAT analysis  Anti-Corrosion Testing  Cyclic SWAAT analysis  Anti-Corrosion Testing  Dimpact Tester  Mechanical Impendence Spectroscopy (EIS)  Anti-Corrosion Testing  Cyclindrical mandrel  Cyclindrical mandrel  Mechanical Flexibility Test  Cocating Hardness  Coating Hardness  Coating Hardness Test  Pencil hardness  Coating Hardness Test  Mechanical Hexibility Test  Coating Hardness Test  Mechanical Wet abrasion resistance test  Mechanical Adhesion Test  Mechanical Adhesion Test  Coating Conductivity mesurement  Anti-Corrosion Tester  Mechanical Adhesion Test  Drying time recorder for the coating  Mechanical Adhesion Test  Coating Hardness determination  Coating Hardness determination  Mechanical Adhesion Test  Coating Hardness determination  Mechanical Adhesion Test  Coating Hardness determination  Mechanical Adhesion Test  Mechanical Adhesion Test  Mecha	4	Thermogravimetric Analysis (TGA)	Thermal Analysis
measurement Deliversal Testing Machine (UTM) Diversal Testing Machine (UTM) Deliversal Testing Deliversal Deli	5	Electrochemical Impendence Spectroscopy (EIS)	Anti-corrosion testing
Gas chromatography (GC)  Deliversal Testing Machine (UTM)  Gel Permeation chromatography (GPC)  Glossometer  Gloss value of paints & coatings  Mechanical Festing the distribution of polymer  Glossometer  Gloss value of paints & coatings  Mechanical Festibility Test for packaging  Color spectrophotometer  Color spectrophotometer  Color comparator  Cathodic Disbondment Test  Anti-Corrosion Testing  Anti-Corrosion Testing  Anti-Corrosion Testing  Cyclic Corrosion Testing  Cyclic Corrosion Tester  QUV weatherometer  Cyclic Corrosion Tester  Electrochemical Impendence Spectroscopy (EIS)  Impact Tester  Coating Hardness  Coating Hardness  Coating Hardness Test  Conciled mandrel  Mechanical Flexibility Test  Copying tester  Forming Test  Conciled mandrel  Mechanical Flexibility Test  Coating Hardness Test  Wet Scrub  Mechanical dry abrasion resistance test  Wet Scrub  Mechanical dry abrasion resistance test  Coating Hardness Coating Hardness Test  Wet Scrub  Mechanical Hexibility Test  Mechanical Hexibility Test  Mechanical Hexibility Test  Coating Hardness Test  Coating Coat	6	Optical Contact Angle Meter (OCA)	Surface energy & contact angle
Gel Permeation chromatography (GPC) Gel Permeation chromatography (GPC) Gel Permeation chromatography (GPC) Gel Sossometer Ge			measurement
Gel Permeation chromatography (GPC)  Glossometer  Gloss value of paints & coatings Mechanical Flexibility Test for packaging Color comparator  Color comparator  Cotting Cathodic Disbondment Test Salt Spray ASTM B 117 Anti-Corrosion Testing Anti-Corrosion Testing Cyclic Corrosion Testing Cyclic C	7	Gas chromatography (GC)	Polymer & Material characterization
Dolymer   Glossometer   Gloss value of paints & coatings	8	Universal Testing Machine (UTM)	Mechanical Testing
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packaging Color spectrophotometer Color spectrophotometer Color spectrophotometer Color comparator Coating characterization Cathodic Disbondment Test Anti-Corrosion Testing Salt Spray ASTM B 117 Anti-Corrosion Testing Salt Spray ASTM B 55 Anti-Corrosion Testing Anti-Corrosion Testing Cyclic Corrosion Tester Coulor description Testing Cyclic Corrosion Testing Cyclic Cy	10	Glossometer	Gloss value of paints & coatings
Coating characterization  Cathodic Disbondment Test Cathodic Disbondment Test Cathodic Disbondment Test Cathodic Disbondment Test Salt Spray ASTM B 117 Anti-Corrosion Testing Cathodic Disbondment Test Cathodic Disbondment Testing Cathodic Disbondment Testing Cathodic Disbondment Cat	11	Wedge Bend Tester	
Anti-Corrosion Testing  Salt Spray ASTM B 117 Anti-Corrosion Testing  SWAAT analysis Anti-Corrosion Testing  SO <sub>2</sub> Chamber Electrochemical Impendence Spectroscopy (EIS) Anti-Corrosion Testing  Impact Tester  Coating Hardness Coating Hardness Test  Cupping tester Forming Test  Copical mandrel Acconical flexibility Test Acconic	12	Color spectrophotometer	Color and transparency properties.
Salt Spray ASTM B 117 Anti-Corrosion Testing Salt Spray ASTM G 85 Anti-Corrosion Testing Humidifier (IS 101) Anti-Corrosion Testing Cyclic Corrosion Tester Anti-Corrosion Testing Anti-Corrosion Testing Cyclic Corrosion Tester Anti-Corrosion Testing Cyclic Corrosion Testing Anti-Corrosion Testing Anti-Corrosion Testing Cyclic Corrosion Testing Cyclic C	13	•	Coating characterization
Anti-Corrosion Testing Humidifier (IS 101) Anti-Corrosion Testing Cyclic Corrosion Tester Anti-Corrosion Testing QUV weatherometer Anti-Corrosion Testing Anti-Corrosion Testing Anti-Corrosion Testing OUV weatherometer Anti-Corrosion Testing Anti-Corrosion Testing SO <sub>2</sub> Chamber Anti-Corrosion Testing Electrochemical Impendence Spectroscopy (EIS) Anti-Corrosion Testing Electrochemical Impendence Spectroscopy (EIS) Anti-Corrosion Testing Electrochemical Impendence Spectroscopy (EIS) Anti-Corrosion Testing Mechanical Flexibility Test  Coating Hardness Coating Hardness Test Cupping tester Forming Test Cylindrical mandrel Mechanical Flexibility Test Cylindrical mandrel Mechanical Flexibility Test Coating Hardness Test Cylindrical mandrel Mechanical Hardness Test Mechanical dry abrasion resistance test Mechanical wet abrasion resistance test Mechanical wet abrasion resistance test Mechanical Adhesion Test Mechanical Adhesion Test Description Conductivity meter Ionic conductivity measurement Mechanical Adhesion Test Description Conductivity meter Ionic conductivity measurement Mechanical Adhesion Test Description Conductivity measurement Mechanical Adhesion Test Description Coating characterization w.r.t. Description Coating characterization C	14	Cathodic Disbondment Test	Anti-Corrosion Testing
Humidifier (IS 101)  Rati-Corrosion Testing  Cyclic Corrosion Tester  Anti-Corrosion Testing  QUV weatherometer  Anti-Corrosion Testing  SWAAT analysis  Anti-Corrosion Testing  Anti-Corrosion Testing  SO <sub>2</sub> Chamber  Electrochemical Impendence Spectroscopy (EIS)  Impact Tester  Anti-Corrosion Testing  Electrochemical Impendence Spectroscopy (EIS)  Anti-Corrosion Testing  Electrochemical Impendence Spectroscopy (EIS)  Anti-Corrosion Testing  Mechanical Flexibility Test  Coating Hardness Test  Anti-Corrosion Testing  Mechanical Plexibility Test  Anti-Corrosion Testing  Mechanical Adhesion resistance test  Wet Scrub  Mechanical Wet abrasion resistance test  Wet Scrub  Mechanical Adhesion Test  Donic conductivity measurement  Anti-Corrosion Testing  Mechanical Adhesion Test  Donic conductivity measurement  Anti-Corrosion Testing  Mechanical Adhesion Test  Drying accessories for ASTM  Drying time recorder for the coating  Coating Hardness determination  Surface Roughness Meter  Surface Roughness measurement  Anti-Corrosion Testing  Mechanical Flexibility Test  Coating Hardness tester  Coating Arabers determination  Drying time recorder for the coating  Coating Arabers determination  Surface Roughness Meter  Surface Roughness measurement	15	Salt Spray ASTM B 117	•
Cyclic Corrosion Tester QUV weatherometer Anti-Corrosion Testing Anti-Corrosion Testing SWAAT analysis Anti-Corrosion Testing Anti-Corrosion Testing SO_2 Chamber Anti-Corrosion Testing Electrochemical Impendence Spectroscopy (EIS) Anti-Corrosion Testing Electrochemical Impendence Spectroscopy (EIS) Anti-Corrosion Testing Mechanical Flexibility Test  Coating Hardness Coating Hardness Test Coupling tester Coupling tester Coupling tester Coupling tester Anti-Corrosion Testing Mechanical Flexibility Test Coupling tester Coup	16	Salt Spray ASTM G 85	Anti-Corrosion Testing
QUV weatherometer SWAAT analysis SWAAT analysis SO_Chamber Electrochemical Impendence Spectroscopy (EIS) Anti-Corrosion Testing Electrochemical Impendence Spectroscopy (EIS) Anti-Corrosion Testing Mechanical Flexibility Test  Scratch hardness Coating Hardness Test Cupping tester Cylindrical mandrel Mechanical Flexibility Test  Cylindrical mandrel Mechanical Flexibility Test  Conical mandrel Mechanical Flexibility Test  Cylindrical mandrel Mechanical Flexibility Test  Coating Hardness Coating Hardness Test Mechanical dry abrasion resistance test Mechanical dry abrasion resistance test Mechanical dry abrasion resistance test Mechanical Adhesion Test  Coating characterization Mechanical Adhesion Test  Conductivity meter Ionic conductivity measurement Refractometer Refractive Index determination Coating characterization w.r.t pressure  Autoclave reactor Coating characterization w.r.t pressure  Coating characterization w.r.t pressure  Mechanical Adhesion Test Coating characterization w.r.t pressure  Refractive Index determination Coating characterization Coating chara	17	Humidifier (IS 101)	Anti-Corrosion Testing
SWAAT analysis  SO <sub>2</sub> Chamber  Electrochemical Impendence Spectroscopy (EIS)  Impact Tester  Coating Hardness  Coating Hardness Test  Conical mandrel  Cylindrical mandrel  Mechanical Flexibility Test  Cylindrical mandrel  Mechanical Flexibility Test  Coating Hardness Test  Cylindrical mandrel  Mechanical Flexibility Test  Coating Hardness Test  Conical mandrel  Mechanical Flexibility Test  Cylindrical mandrel  Mechanical Flexibility Test  Coating Hardness  Coating Hardness Test  Mechanical dry abrasion resistance test  Mechanical dry abrasion resistance test  Mechanical wet abrasion resistance test  Mechanical Adhesion Test  Pull off adhesion  Mechanical Adhesion Test  Pin hole detector  Coating characterization  Conductivity meter  Ionic conductivity measurement  Refractometer  Refractometer  Refractive Index determination  Coating characterization w.r.t pressure  Autoclave reactor  Coating characterization Test  Drying accessories for ASTM  Drying time recorder for the coating  Rocker hardness tester  Coating Hardness determination  Surface Roughness Meter  Raw material & chemical characterization  Raw material & chemical characterization	18	Cyclic Corrosion Tester	Anti-Corrosion Testing
SO <sub>2</sub> Chamber Electrochemical Impendence Spectroscopy (EIS) Impact Tester  Scratch hardness Coating Hardness Test Cupping tester  Colorial mandrel Cylindrical mandrel Mechanical Flexibility Test  Coating Hardness Coating Hardness Test  Cylindrical mandrel Mechanical Flexibility Test  Coating Hardness Test  Mechanical dry abrasion resistance test  Mechanical dry abrasion resistance test  Mechanical wet abrasion resistance test  Mechanical Adhesion Test  Coating characterization  Conductivity meter Ionic conductivity measurement  Refractometer Refractometer Refractometer Refractive Index determination  Coating characterization w.r.t pressure  Autoclave reactor Coating characterization Test  Drying accessories for ASTM Drying time recorder for the coating  Rocker hardness tester Coating Hardness determination  Surface Roughness Meter Surface roughness measurement  Raw material & chemical characterization	19	QUV weatherometer	Anti-Corrosion Testing
Electrochemical Impendence Spectroscopy (EIS)  Impact Tester  Scratch hardness  Coating Hardness Test  Cupping tester  Coping Test  Cylindrical mandrel  Cylindrical mandrel  Mechanical Flexibility Test  Coating Hardness Test  Mechanical dry abrasion resistance test  Wet Scrub  Mechanical wet abrasion resistance test  Mechanical wet abrasion resistance test  Mechanical Adhesion Test  Coating characterization  Conductivity meter  Ionic conductivity measurement  Refractometer  Refractometer  Refractive Index determination  Coating characterization w.r.t pressure  Autoclave reactor  Coating characterization w.r.t pressure  Coating characterization Test  Drying accessories for ASTM  Drying time recorder for the coating  Rocker hardness tester  Coating Hardness determination  Surface Roughness Meter  Raw material & chemical characterization  Raw material & chemical	20	SWAAT analysis	Anti-Corrosion Testing
Mechanical Flexibility Test		SO₂ Chamber	Anti-Corrosion Testing
Coating Hardness Test Cupping tester Cupping tester Cylindrical mandrel Coating Hardness Coating Hardness Test Coating Hardness Hardn		Electrochemical Impendence Spectroscopy (EIS)	Anti-Corrosion Testing
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Conical mandrel Cylindrical mandrel Cylindrical mandrel Coling Hardness Coating Hardness Test Mechanical dry abrasion resistance test Methonical wet abrasion resistance test Mechanical Adhesion Te	21	Scratch hardness	Coating Hardness Test
Cylindrical mandrel Mechanical Flexibility Test Coating Hardness Test Mechanical dry abrasion resistance test Wet Scrub Mechanical wet abrasion resistance test Mechanical wet abrasion resistance test Mechanical wet abrasion resistance test Mechanical Adhesion Test Pin hole detector Coating characterization Conductivity meter Innic conductivity measurement Refractometer Refractive Index determination Coating characterization w.r.t pressure Coating characterization w.r.t pressure Mechanical Adhesion Test Drying accessories for ASTM Drying time recorder for the coating Surface Roughness Meter Surface roughness measurement Raw material & chemical characterization	22	Cupping tester	Forming Test
Pencil hardness Coating Hardness Test Mechanical dry abrasion resistance test Mechanical wet abrasion resistance test Mechanical wet abrasion resistance test Mechanical wet abrasion resistance test Mechanical Adhesion resistance test Mechanical Adhesion Test Coating characterization Conductivity meter Ionic conductivity measurement Refractive Index determination Autoclave reactor Coating characterization w.r.t pressure Coating characterization w.r.t pressure Mechanical Adhesion Test Drying accessories for ASTM Drying accessories for ASTM Drying time recorder for the coating Surface Roughness Meter Surface roughness measurement Karl Fisher Raw material & chemical characterization	23	Conical mandrel	Mechanical Flexibility Test
Taber abrasion  Mechanical dry abrasion resistance test  Wet Scrub  Mechanical wet abrasion resistance test  Pull off adhesion  Mechanical Adhesion Test  Prin hole detector  Coating characterization  Conductivity meter  Innic conductivity measurement  Refractometer  Refractive Index determination  Coating characterization w.r.t pressure  Coating characterization w.r.t pressure  Autoclave reactor  Coss cut Adhesion Tape  Mechanical Adhesion Test  Drying accessories for ASTM  Drying time recorder for the coating  Rocker hardness tester  Coating Hardness determination  Surface Roughness Meter  Raw material & chemical characterization	24	Cylindrical mandrel	Mechanical Flexibility Test
test  Mechanical wet abrasion resistance test  Pull off adhesion Pin hole detector Coating characterization Conductivity meter Indicates test Refractometer Refractive Index determination Autoclave reactor Costing characterization w.r.t pressure Costing characterization w.r.t pressure Refractive Index determination Coating characterization w.r.t pressure Coating characterization w.r.t pressure Costing characterization w.r.t pressure Costing characterization w.r.t pressure Costing Co	25	Pencil hardness	Coating Hardness Test
Wet Scrub  Mechanical wet abrasion resistance test  Pull off adhesion  Pin hole detector  Conductivity meter  Ionic conductivity measurement  Refractometer  Autoclave reactor  Cross cut Adhesion Tape  Drying accessories for ASTM  Drying accessories for ASTM  Rocker hardness tester  Surface Roughness Meter  Karl Fisher  Mechanical wet abrasion resistance test  Mechanical Adhesion Test  Drying time recorder for the coating  Surface roughness measurement  Raw material & chemical characterization	26	Taber abrasion	Mechanical dry abrasion resistance
Pull off adhesion Mechanical Adhesion Test Pin hole detector Coating characterization Conductivity meter Ionic conductivity measurement Refractometer Refractive Index determination Autoclave reactor Coating characterization w.r.t pressure Cross cut Adhesion Tape Mechanical Adhesion Test Drying accessories for ASTM Drying time recorder for the coating Rocker hardness tester Coating Hardness determination Surface Roughness Meter Surface roughness measurement Karl Fisher Raw material & chemical characterization			
Pull off adhesion  Pin hole detector  Conductivity meter  Ionic conductivity measurement  Refractometer  Autoclave reactor  Cross cut Adhesion Tape  Drying accessories for ASTM  Rocker hardness tester  Surface Roughness Meter  Karl Fisher  Mechanical Adhesion Test  Coating characterization w.r.t pressure  Mechanical Adhesion Test  Drying time recorder for the coating  Surface roughness measurement  Raw material & chemical characterization	27	Wet Scrub	Mechanical wet abrasion resistance
Pin hole detector  Conductivity meter  Ionic conductivity measurement  Refractometer  Refractive Index determination  Coating characterization w.r.t  pressure  Coating characterization w.r.t  pressure  Mechanical Adhesion Test  Drying accessories for ASTM  Drying time recorder for the coating  Rocker hardness tester  Coating Hardness determination  Surface Roughness Meter  Karl Fisher  Raw material & chemical  characterization		- 11 66 11 .	
Conductivity meter Ionic conductivity measurement Refractometer Refractive Index determination Autoclave reactor Coating characterization w.r.t pressure Cross cut Adhesion Tape Mechanical Adhesion Test Drying accessories for ASTM Drying time recorder for the coating Rocker hardness tester Coating Hardness determination Surface Roughness Meter Surface roughness measurement Raw material & chemical characterization	28		
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Autoclave reactor  Coating characterization w.r.t pressure  Cross cut Adhesion Tape  Mechanical Adhesion Test  Drying accessories for ASTM  Drying time recorder for the coating  Rocker hardness tester  Coating Hardness determination  Surface Roughness Meter  Surface roughness measurement  Raw material & chemical characterization	30	·	·
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Drying accessories for ASTM  Rocker hardness tester  Coating Hardness determination  Surface Roughness Meter  Surface roughness measurement  Raw material & chemical characterization	22	Cross cut Adhasian Tana	
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