

TEST CERTIFICATE

Doc. No.: QF0307/01

Issue Date: 23/04/2013

Customer Name:

Product: PP Ral 9016 S/G

Code: PW8S028

Batch no:

DATE : 31.05.2016

Mfg date:

Page : 01/01.

S. No.	DESCRIPTION	SPECIFICATIONS	OBSERVATION	RESULT
A.	Powder Properties			
1	Specific Gravity ASTM - D -153(Theoretical)	1.65±0.10	1,71	Ok
2	Theoretical Coverage @ 50 microns	11.42-12.90 sq.m/ Kg.	11,70	Ok
3	Particle size Distribution <32 micron	30-40 %	39,00%	Ok
	On Alpine Air Jet Sieve <63 micron	80-90 %	89,00%	Ok
	Modle A-200 LS <80 micron	>95 %	98,00%	Ok
	<105 micron	100%	100,00%	Ok
4	Storage Stability @ 25°C	Six Months	Six Month	Ok
B.	Application of Powders			
1	Substrate (mm, crca)	0.6±0.02	0,6	Ok
2	Application by Electrostatic Spray Gun Voltage	60-90K.V.	70K.V.	Ok
3	Baking Schedule (°C/Minute, M.T.)	200/10-12	200/12	Ok
4	Coating Thickness (Microns)	50-70	55-60	Ok
C.	Cured Film Property On M.S.			
1	Shade/ Colour (Visual)	As Per Std.	Pass	Ok
2	Colour D-65, 10° (CIE L* a* b*)	Δ E<1	0,46	Ok
3	Surface Finish ASTM-D-1729	Smooth	Smooth	Ok
4	Gloss (60° Head) ASTM-D-523	70±5	71	Ok
5	Bend Test (6.25 & 5 mm cylindrical mandrel) ASTM-522	No visible Damage or detachment of film.	Pass	Ok
6	Impact (kg-cm) ASTM-D-2794-69			
	Direct	80 minimum	Pass	Ok
	Reverse	80 minimum	Pass	Ok
7	Erichsen Cupping (mm),	4mm Minimum	5mm Pass	Ok
8	Adhesion, ASTM-D-3359	No visible Damage or detachment of film.	Pass	Ok
9	Scratch Hardness, Kgs (IS-101) (3.5 Kgs. Weight minimum)	No such scratches as to show bare metal	Pass	Ok
10	Humidity Test, 95% Rh (Approx.) Temp 38+/- 3°C for 500 Hrs. ASTM D-2247	No blistering ,rusting or loss of adhesion	Pass	Ok
11	Salt Spray Test at 35+/- 3°C for 500 Hrs, 5% Sodium Chloride Solution ASTM B-117	No blistering,rusting or loss of adhesion	Pass	Ok

TEST RESULT: Approved

REMARKS:

sign & date	TESTED BY	VERIFIED BY
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