

**Customer:**  
**Product:** PP RAL 7016 CHARCOAL STRUCTURE  
**Code:**  
**Batch No. :**

**DATE** : 17.02.2016  
**Mfg. Date :**  
**Page** : 01/01.

S. No.	DESCRIPTION	SPECIFICATIONS	OBSERVATION	RESULT
<b>A.</b>	<b>Powder Properties</b>			
1	Specific Gravity ASTM - D -153(Theoretical)	1.65±0.10	1,71	Ok
2	Theoretical Coverage @ 70 microns	8.16-9.20 sq.m/ Kg.	8,35	Ok
3	Particle size Distribution <32 micron	30-40 %	34,50%	Ok
	On Alpine Air Jet Sieve <63 micron	70-80 %	75,00%	Ok
	Model A-200 LS <80 micron	>90 %	93,50%	Ok
	<100 micron	98-100%	99,00%	Ok
4	Storage Stability @ 25°C	Six Months	Six Month	Ok
<b>B.</b>	<b>Application of Powders</b>			
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)	70-90	80-90	Ok
<b>C.</b>	<b>Cured Film Property On M.S.</b>			
1	Shade/ Colour (Visual)	As Per Std.	Pass	Ok
2	Colour D-65, 10° (CIE L* a* b*)	Δ E<1	0,69	Ok
3	Surface Finish ASTM-D-1729	STRUCTURE	STRUCTURE	Ok
4	Gloss @ 60° Head ASTM-D-523	10±5	9-10	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	40(Minimum)	Pass	Ok
	Reverse	40(Minimum)	Pass	Ok
7	Ericksen Cupping (mm),	4mm(Min.)	Pass	Ok
8	Adhesion, ASTM-D-3359	GT-0/5B	GT-0/5B	Ok
9	Scratch Hardness, (IS-101) (3.5 Kgs. Weight minimum)	No such scratches as to show bare metal	3.5 Kgs(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

GT-0/5B=Excellent GT-5/0B=Bed

REMARKS:

sign & date	TESTED BY	VERIFIED BY
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