

Suzhou Hipro Polymers Hiprolon® 11 PES Colorized Nylon powder

Category : Polymer , Renewable/Recycled Polymer , Thermoplastic , Nylon , Nylon 11

Material Notes:

Hiprolon® 11 PES colorized electrostatic polyamide powder is partly comprised of bio-renewable raw materials. It has excellent weather ability, chemical resistance, wear resistance, impact resistance, and superior adhesion strength with metal surfaces. It is widely used for coating of auto parts, hard wares, water pipes racks et al. Available in various colors to provide a customized product. It can be applied to subjects with a 0.7mm-0.3mm thickness range, and it can also achieve a thinner thickness when it is not coated by dipping. The optimal coating thickness is 0.12-0.15mm. Information provided by Suzhou Hipro Polymers Co. Ltd

Order this product through the following link:

http://www.lookpolymers.com/polymer_Suzhou-Hipro-Polymers-Hiprolon-11-PES-Colorized-Nylon-powder.php

Physical Properties	Metric	English	Comments
Density	1.10 g/cc	0.0397 lb/in ³	ISO 1183
Water Absorption	0.90 %	0.90 %	ISO 62
Particle Size	<= 80 Åµm	<= 80 Åµm	> 99 wt.%; DIN EN ISO 4610

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	75	75	ISO 868

Thermal Properties	Metric	English	Comments
Vicat Softening Point	160 Å°C	320 Å°F	ISO 306
Flammability, UL94	V-2	V-2	ISO1210
	@Thickness 1.60 mm	@Thickness 0.0630 in	
	V-2	V-2	ISO1210
	@Thickness 3.20 mm	@Thickness 0.126 in	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+14 ohm-cm	1.00e+14 ohm-cm	ISO 60093
Surface Resistance	1.00e+14 ohm	1.00e+14 ohm	ISO 60093

Descriptive Properties	Value	Comments
Salt Spray Resistance	< 1mm corrosion	ISO 7253; Testing according to WIS 4-52-01; 2000 hours

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