

Arkema Group Rilsan® Fine Powders Grey 49 Polyamide 11

Category : Polymer , Thermoplastic , Nylon , Nylon 11 , Nylon 11 , Powder

Material Notes:

Rilsan® fine powder coatings offer weatherability, long-lasting adhesion, chalk resistance, chemical resistance to aliphatic hydrocarbons, bases, salt solutions, oils, greases and other petroleum products. Typical Applications: Shopping carts Dishwasher baskets Hand mixers File rods Wire shelves Information provided by Arkema Group

Order this product through the following link:

http://www.lookpolymers.com/polymer_Arkema-Group-Rilsan-Fine-Powders-Grey-49-Polyamide-11.php

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	38.0 - 47.0 MPa	5510 - 6820 psi	
Taber Abrasion, mg/1000 Cycles	17	17	CS 17 wheel, 1 kg load

Thermal Properties	Metric	English	Comments
Heat of Fusion	83.7 J/g	36.0 BTU/lb	
CTE, linear	150 µm/m-°C	83.3 µin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	3.50e+14 ohm-cm	3.50e+14 ohm-cm	65% RH at 500 V; ASTM D257
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Surface Resistance	2.40e+14 ohm	2.40e+14 ohm	65% RH at 500 V; ASTM D257
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Dielectric Constant	3.1	3.1	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
	3.9	3.9	
	@Frequency 100 Hz	@Frequency 100 Hz	
Dielectric Strength	9.00 kV/mm	229 kV/in	thick
	@Thickness 0.400 mm	@Thickness 0.0157 in	

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