

## Arkema Group Rilsan® Fine Powders 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-Polyamide-11.php](http://www.lookpolymers.com/polymer_Arkema-Group-Rilsan-Fine-Powders-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	
Dielectric Strength	3.9	3.9	thick
	@Frequency 100 Hz	@Frequency 100 Hz	
Dielectric Strength	30.5 kV/mm	775 kV/in	thick
	@Thickness 0.400 mm	@Thickness 0.0157 in	

Descriptive Properties	Value	Comments
Flammability	self-extinguishing	ASTM D 635 (measured at a thickness greater than 3mm to eliminate the influence of substrate)

## **Contact Songhan Plastic Technology Co.,Ltd.**

**Website : [www.lookpolymers.com](http://www.lookpolymers.com)**

**Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)**

**Tel : +86 021-51131842**

**Mobile : +86 13061808058**

**Skype : lookpolymers**

**Address : United North Road 215,Fengxian District, Shanghai City,China**