

ICO Polymers ICOTEX 520-5016 300 Micron LDPE Powder

Category : Polymer , Thermoplastic , Polyethylene (PE) , LDPE , Low Density Polyethylene (LDPE), Masterbatch Grade

Material Notes:

Description: ICOTEX 520-5016 is a low density polyethylene powder that has been developed to meet the special requirements of the textile coating industry. Key Characteristics: good melt flow and a very fine powder that enables fast and accurate melting. Information provided by ICO Polymers. A Schulman acquired ICO, Inc. in 2010.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ICO-Polymers-ICOTEX-520-5016-300-Micron-LDPE-Powder.php

Physical Properties	Metric	English	Comments
Density	0.914 g/cc	0.0330 lb/in ³	ASTM D1505
Particle Size	>= 150 µm	>= 150 µm	pan, 10%
	<= 300 µm	<= 300 µm	sieve < 5%
Melt Index of Compound	22 g/10 min @Load 2.16 kg, Temperature 190 °C	22 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	9.00 MPa	1310 psi	ASTM D638
Tensile Strength, Yield	9.00 MPa	1310 psi	50 mm/min; ASTM D638
Elongation at Break	90 %	90 %	50 mm/min; ASTM D638

Thermal Properties	Metric	English	Comments
Melting Point	100 °C	212 °F	DSC; ASTM D3418
	140 °C	284 °F	fusing temperature
Vicat Softening Point	78.0 °C	172 °F	ASTM D1525
Brittleness Temperature	-45.0 °C	-49.0 °F	ASTM D638

Descriptive Properties	Value	Comments
Max Dry Flow	max 31 sec/100g	ASTM

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