

ICO Polymers ICOTEX 520-5050 500 Micron LDPE Powder

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

Material Notes:

Description: ICOTEX 520-5050 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 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-520-5050-500-Micron-LDPE-Powder.php

Physical Properties	Metric	English	Comments
Density	0.914 g/cc	0.0330 lb/in ³	ASTM D1505
Particle Size	>= 150 Åµm	>= 150 Åµm	pan, 10%
	<= 500 Åµm	<= 500 Åµm	sieve < 5%
Melt Index of Compound	22 g/10 min	22 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 190 Å°C	@Load 4.76 lb, Temperature 374 Å°F	

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 Å°C	212 Å°F	DSC; ASTM D3418
	140 Å°C	284 Å°F	fusing temperature
Vicat Softening Point	78.0 Å°C	172 Å°F	ASTM D1525
Brittleness Temperature	-45.0 Å°C	-49.0 Å°F	ASTM D638

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

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