

**ICO Polymers ICOFLO 510-5051 800 Micron LDPE Powder**

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

**Material Notes:**

Description: ICOFLO 510-5051 is a premium polyethylene powder specifically designed to be used in the preparation of masterbatch (concentrate). By utilizing a free flowing powder as a carrier in masterbatch (instead of pellet), superior color development or additive dispersion can be achieved in the final concentrate. Key Characteristics: medium stiffness, excellent toughness and good gloss. 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-ICOFLO-510-5051-800-Micron-LDPE-Powder.php](http://www.lookpolymers.com/polymer_ICO-Polymers-ICOFLO-510-5051-800-Micron-LDPE-Powder.php)

Physical Properties	Metric	English	Comments
Density	0.914 g/cc	0.0330 lb/in <sup>3</sup>	ASTM D1505
Particle Size	>= 150 Åµm	>= 150 Åµm	pan, 10%
	<= 800 Åµm	<= 800 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
Hardness, Shore D	45	45	ASTM D2240
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
Vicat Softening Point	78.0 Å°C	172 Å°F	ASTM D1525

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

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