

## ICO Polymers ICOFLO 510-5057 80 Micron LDPE Powder

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

### Material Notes:

Description: ICOFLO 510-5057 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 final concentrate. Key Characteristics: very high flow, good flexibility and excellent appearance. 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-510-5057-80-Micron-LDPE-Powder.php](http://www.lookpolymers.com/polymer_ICO-Polymers-ICOFLO-510-5057-80-Micron-LDPE-Powder.php)

Physical Properties	Metric	English	Comments
Density	0.913 g/cc	0.0330 lb/in <sup>3</sup>	ASTM D1505
Particle Size	>= 150 Åµm	>= 150 Åµm	pan, 9%
	<= 800 Åµm	<= 800 Åµm	sieve < 5%
Melt Index of Compound	70 g/10 min @Load 2.16 kg, Temperature 190 Å°C	70 g/10 min @Load 4.76 lb, Temperature 374 Å°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	41	41	ASTM D2240
Elongation at Break	100 %	100 %	50 mm/min; ASTM D638
Tensile Modulus	0.0900 GPa	13.1 ksi	1 mm/min; ASTM D638

Thermal Properties	Metric	English	Comments
Melting Point	100 Å°C	212 Å°F	DSC; ASTM D3418
Vicat Softening Point	75.0 Å°C	167 Å°F	ASTM D1525

Processing Properties	Metric	English	Comments
Processing Temperature	200 Å°C	392 Å°F	recommended

Descriptive Properties	Value	Comments
Max Dry Flow	max 37 sec/100g	ASTM

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