

ICO Polymers ICOFLO 510-5052 1200 Micron LDPE Powder

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

Material Notes:

Description: ICOFLO 510-5052 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-510-5052-1200-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% |
| | <= 1200 Åµm | <= 1200 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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