

LyondellBasell Petrothene® GA616050 Linear Low Density Polyethylene

Category : Polymer , Thermoplastic , Polyethylene (PE) , LLDPE , Linear Low Density Polyethylene (LLDPE), Extrusion Grade

Material Notes:

ApplicationsPETROTHENE GA 616-050 is a linear low density polyethylene resin which can be dry blended with low density polyethylene coating resins to produce linear low extrusion coatings. LDPE grade NA 204-000 (0.918 density, 7.0 melt index) is the preferred low density polyethylene resin for this blend.**Processing Techniques**Specific recommendations for processing GA 616-050 can only be made when the processing conditions, equipment and end use are known. The maximum recommended melt temperature for GA 616-050 blended with LDPE is 625°F. Suggested blend ratios can be obtained by contacting your Equistar sales representative. This product is from the former Equistar product line.

Order this product through the following link:

http://www.lookpolymers.com/polymer_LyondellBasell-Petrothene-GA616050-Linear-Low-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.918 g/cc	0.0332 lb/in ³	ASTM D1505
Melt Index of Compound	7.0 g/10 min	7.0 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	56	56	Type IV Specimen; ASTM D2240
Tensile Strength at Break	11.7 MPa	1700 psi	Type IV Specimen; ASTM D638
Elongation at Break	870 %	870 %	Type IV Specimen; ASTM D638
Flexural Stiffness	345 MPa	50000 psi	Type IV Specimen; ASTM D790

Thermal Properties	Metric	English	Comments
Vicat Softening Point	92.0 °C	198 °F	ASTM D1525

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