

Carmel Olefins IPETHENE® 670 Low Density Polyethylene

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

Material Notes:

IPETHENE® 670 is a low density polyethylene extrusion coating and lamination grade. This grade can be processed at high coating temperatures and coating speeds. It exhibits low neck-in and stable web edge, good adhesion to many substrates, excellent heat sealing properties, and low gel level. APPLICATIONS IPETHENE® 670 is mainly used for intermediate and light-weight high speed extrusion coating. It can be applied to various substrates such as paper, cardboard, aluminum foil, and flexible films like nylon, cellulose and polyester. The coated substrates can be used for packaging of foods, liquids and powders, medical devices, agricultural materials, chemicals and other industrial products.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Carmel-Olefins-IPETHENE-670-Low-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.917 g/cc	0.0331 lb/in ³	ISO 1183-A
Melt Flow	8.0 g/10 min @Load 2.16 kg, Temperature 190 °C	8.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	45	45	ISO 868
Tensile Strength at Break	10.5 MPa	1520 psi	ISO 527-2
Tensile Strength, Yield	10.5 MPa	1520 psi	ISO 527-2
Elongation at Break	500 %	500 %	ISO 527-2

Thermal Properties	Metric	English	Comments
Melting Point	108 °C	226 °F	ISO 11357
Vicat Softening Point	89.0 °C @Load 1.02 kg	192 °F @Load 2.25 lb	ISO 306

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