

Carmel Olefins IPETHENE® 810 Low Density Polyethylene

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

Material Notes:

IPETHENE® 810 is a low density polyethylene injection molding grade. It exhibits high melt flow rate, high gloss, and high stiffness.

APPLICATIONS IPETHENE® 810 is used to produce lids, containers, toys, and domestic hollowware.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Carmel-Olefins-IPETHENE-810-Low-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.918 g/cc	0.0332 lb/in ³	ISO 1183-A
Melt Flow	20 g/10 min @Load 2.16 kg, Temperature 190 °C	20 g/10 min @Load 4.76 lb, Temperature 374 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
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	130 %	130 %	ISO 527-2

Thermal Properties	Metric	English	Comments
Vicat Softening Point	86.0 °C @Load 1.02 kg	187 °F @Load 2.25 lb	ISO 306

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