

## Carmel Olefins IPETHENE® 600 Low Density Polyethylene

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

### Material Notes:

IPETHENE® 600 is a low density polyethylene injection molding grade. This grade is a good carrier for masterbatches production. It exhibits good stiffness and moderate melt flow rate. APPLICATIONS IPETHENE® 600 is used to produce lids, containers, toys, compounds, and masterbatches.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Carmel-Olefins-IPETHENE-600-Low-Density-Polyethylene.php](http://www.lookpolymers.com/polymer_Carmel-Olefins-IPETHENE-600-Low-Density-Polyethylene.php)

Physical Properties	Metric	English	Comments
Density	0.915 g/cc	0.0331 lb/in <sup>3</sup>	ISO 1183-A
Melt Flow	7.0 g/10 min @Load 2.16 kg, Temperature 190 °C	7.0 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	9.00 MPa	1310 psi	ISO 527-2
Elongation at Break	500 %	500 %	ISO 527-2

Thermal Properties	Metric	English	Comments
Vicat Softening Point	87.0 °C @Load 1.02 kg	189 °F @Load 2.25 lb	ISO 306

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