

## Carmel Olefins IPETHENE® 900 Low Density Polyethylene

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

### Material Notes:

IPETHENE® 900 is a low density polyethylene injection molding grade. This grade is a good carrier for masterbatches production. It exhibits high melt flow rate, good transparency, and flexibility. APPLICATIONS IPETHENE® 900 is used to produce lids, artificial flowers, toys, compounds and domestic hollowware.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Carmel-Olefins-IPETHENE-900-Low-Density-Polyethylene.php](http://www.lookpolymers.com/polymer_Carmel-Olefins-IPETHENE-900-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	50 g/10 min @Load 2.16 kg, Temperature 190 °C	50 g/10 min @Load 4.76 lb, Temperature 374 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	8.00 MPa	1160 psi	ISO 527-2
Tensile Strength, Yield	8.00 MPa	1160 psi	ISO 527-2
Elongation at Break	120 %	120 %	ISO 527-2

Thermal Properties	Metric	English	Comments
Vicat Softening Point	80.0 °C @Load 1.02 kg	176 °F @Load 2.25 lb	ISO 306

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