

## Polimeri Europa Eraclene® MR 80 High Density Polyethylene - Injection Molding

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Injection Molded

### Material Notes:

Eraclene MR 80 is a high density polyethylene resin (HDPE) with antioxidants, suitable for injection molding application. Eraclene MR 80 shows a good balance between processability and mechanical properties. Main Applications: Eraclene MR 80 is specifically designed for houseware and thin-walled containers. Information provided by Polimeri Europa.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Polimeri-Europa-Eraclene-MR-80-High-Density-Polyethylene-Injection-Molding.php](http://www.lookpolymers.com/polymer_Polimeri-Europa-Eraclene-MR-80-High-Density-Polyethylene-Injection-Molding.php)

Physical Properties	Metric	English	Comments
Specific Gravity	0.954 g/cc	0.954 g/cc	ISO 1183
Melt Flow	18 g/10 min @Load 2.16 kg, Temperature 190 °C	18 g/10 min @Load 4.76 lb, Temperature 374 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	65	65	ISO 868/A
Tensile Strength at Break	14.0 MPa	2030 psi	ISO 527
Tensile Strength, Yield	27.0 MPa	3920 psi	ISO 527
Elongation at Break	200 %	200 %	ISO 527
Flexural Modulus	1.25 GPa	181 ksi	ISO 178
Izod Impact, Notched	0.450 J/cm	0.843 ft-lb/in	ISO 180/A

Thermal Properties	Metric	English	Comments
Melting Point	135 °C	275 °F	Internal method
Vicat Softening Point	126 °C @Load 1.00 kg	259 °F @Load 2.20 lb	ISO 306/A
Brittleness Temperature	<= -60.0 °C	<= -76.0 °F	ASTM D746

## Contact Songhan Plastic Technology Co.,Ltd.

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