

## Polimeri Europa Eraclene® MP 90 C High Density Polyethylene - Injection Molding

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

### Material Notes:

Eraclene MP 90 C is a gas phase high density polyethylene resin (HDPE) with antioxidants, suitable for injection molding application. This grade has a narrow molecular weight distribution and a high density that make it ideal for injection molding applications where outstanding rigidity, warp resistance and toughness are required. the polymer has high purity and high thermal stability during extrusion. Main Applications: Eraclene MP 90 C has controlled organoleptic properties for the production of caps for PET bottles used for natural mineral water, fruit juice, etc. Eraclene 90 C is suitable to produce molded crates which require rigidity. Information provided by Polimeri Europa.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Polimeri-Europa-Eraclene-MP-90-C-High-Density-Polyethylene-Injection-Molding.php](http://www.lookpolymers.com/polymer_Polimeri-Europa-Eraclene-MP-90-C-High-Density-Polyethylene-Injection-Molding.php)

Physical Properties	Metric	English	Comments
Specific Gravity	0.960 g/cc	0.960 g/cc	ISO 1183
Melt Flow	7.5 g/10 min	7.5 g/10 min	ISO 1133
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	
	20 g/10 min	20 g/10 min	ISO 1133
	@Load 5.00 kg, Temperature 190 °C	@Load 11.0 lb, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	69	69	ISO 868/A
Tensile Strength at Break	17.0 MPa	2470 psi	ISO 527
Tensile Strength, Yield	30.0 MPa	4350 psi	ISO 527
Elongation at Break	400 %	400 %	ISO 527
Flexural Modulus	1.45 GPa	210 ksi	ISO 178
Izod Impact, Notched	1.00 J/cm	1.87 ft-lb/in	ISO 180/A

Thermal Properties	Metric	English	Comments
Melting Point	137 °C	279 °F	Internal method
Vicat Softening Point	128 °C	262 °F	ISO 306/A
	@Load 1.00 kg	@Load 2.20 lb	
Brittleness Temperature			ASTM D746

Thermal Properties	$\leq -60.0\text{ }^{\circ}\text{C}$ Metric	$\leq -76.0\text{ }^{\circ}\text{F}$ English	Comments
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## Contact Songhan Plastic Technology Co.,Ltd.

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