Versalis Eraclene® ML 74 High Density Polyethylene - Injection Molding (discontinued **)

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

Material Notes: Eraclene ML 74 is a high density polyethylene resin (HDPE) with antioxidants, suitable for injection molding application.

Its narrow molecular weight distribution leads to high mechanical properties (rigidity, impact strength) together with high stress cracking resistance. Eraclene ML 74 is UV stabilized and is recommended for the production of items for outdoor exposure.

Main Applications: Eraclene ML 74 is suggested to produce items with high mechanical performances, industrial containers, pallets and lids for open drums.

Information provided by Polimeri Europa.

Versalis is the Eni subsidiary containing the plastics and rubber businesses.

Vendors: No vendors are listed for this material. Please click here if you are a supplier and would like information on how to add your listing to this material.

Physical Properties	Metric	English	Comments
Specific Gravity	0.951 g/cc	0.951 g/cc	ISO 1183
Melt Flow ☒	2.8 g/10 min @Load 2.16 kg, Temperature 190 °C	2.8 g/10 min @Load 4.76 lb, Temperature 374 °F	ISO 1133
	8.0 g/10 min @Load 5.00 kg, Temperature 190 °C	8.0 g/10 min @Load 11.0 lb, Temperature 374 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	64	64	ISO 868/A
Tensile Strength at Break	20.0 MPa	2900 psi	ISO 527
Tensile Strength, Yield	25.0 MPa	3630 psi	ISO 527
Elongation at Break	800 %	800 %	ISO 527
Flexural Modulus	1.10 GPa	160 ksi	ISO 178
Izod Impact, Notched	2.00 J/cm	3.75 ft-lb/in	ISO 180/A

Thermal Properties	Metric	English	Comments
Melting Point	135 °C	275 °F	Internal method
Vicat Softening Point	125 °C @Load 1.00 kg	257 °F @Load 2.20 lb	ISO 306/A
Brittleness Temperature	<= -60.0 °C	<= -76.0 °F	ASTM D746

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Materials flagged as discontinued (☒) are no longer part of the manufacturer's standard product line according to our latest information. These materials may be available by special order, in distribution inventory, or reinstated as an active product. Data sheets from materials that are no longer available remain in MatWeb to assist users in finding replacement materials.

Users of our Advanced Search (registration required) may exclude discontinued materials from search results.