

Technical Data Sheet

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ERACLENE [®]

HDPE

MM 80 U

High density polyethylene

Eraclene MM 80 U is a high density polyethylene resin (HDPE) with antioxidants, suitable for injection moulding application. Eraclene MM 80 U is characterized by high rigidity and good impact resistance.

Main Application

Eraclene MM 80 U is specifically designed for pails and light-weight containers. Moreover, the product is suitable to manufacture dustbins and small industrial containers.

Main Properties

135 <- 60	g/cm3 °C	
127	°C °C	Metodo interno ASTM D 746 ISO 306/A
Value 28 20 -	Unit MPa MPa %	Test Method ISO 527 ISO 527 ISO 527
550 1350 66 - 110	% MPa - J/mm J/m	ISO 527 ISO 178 ISO 868 A ISO 6603-2 ISO 180/A ASTM 1693/B
	127 Value 28 20 - 550 1350 66 -	127 °C Value Unit 28 MPa 20 MPa - % 550 % 1350 MPa 66 - - J/mm

(*) Values are referred to compression moulded specimens. Actual properties are typical and may vary depending upon operating conditions.

Eraclene MM 80 U is readily processable by conventional injection moulding equipment with excellent results. Typical processing conditions (*) Temperature profile of the barrel (°C) 220 - 275

Temperature of the mould (°C) 10 - 40 (*) Processin

Storage and Handling

Eraclene MM 80 U is supplied in pellet form. This material may readily be conveyed and bulk fed through equipment designed for conventional pelletised polyethylene resin, provided the equipment is designed to prevent accumulation of the fines and dust particles that are contained in all polyethylene resins. These fines and dust particles can, under certain conditions, pose an explosion hazard. We recommend that the conveying system used be equipped with filters of adequate size, operated and maintained in such a manner to ensure that no leaks develop and earthed adequately. We further recommend that good housekeeping should be practised throughout your facility.

The product should be stored in dry conditions at temperatures below 50°C and protected from sunlight.

Improper storage can initiate degradation which results in odour generation, colour changes and can have negative effects on the physical properties of the product.

Before using this product it is recommended to read and understand the relevant Safety Data Sheet.

Availability

Contact the versalis sales office nearest to you regarding availability and your specific application requirements.

Food Contact Status

Eraclene MM 84 I complies with the rules and regulations of the European Union, as well as other countries, regarding the use of plastic materials in food contact applications. Certificates of compliance are available upon request.

TECHNICAL SERVICE

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IMPORTANT: please consult the relevant safety data sheet for more detailed information. The information and data presented herein are to the best of our knowledge true and accurate but no warranty or guarantee, expressed or implied, is made nor is any liability accepted with respect to the use of such information and data.

versalis is available to provide the guaranteed values for each product on demand.