

Total Lumicene® mPE M 3581 UV Metallocene Polyethylene, Rotomolding

Category : Polymer , Thermoplastic , Polyethylene (PE) , MDPE , Medium Density Polyethylene (MDPE), Rotational Molded

Material Notes:

Lumicene® mPE M 3581 UV is a second generation metallocene medium density polyethylene with hexene as comonomer. Lumicene® mPE M 3581 UV is intended for the manufacture of rotomolded items. Its specific molecular structure ensures: Superior mechanical properties Outstanding optical properties (gloss) Improved dimensional stability Easy processing Information provided by Total Petrochemicals.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Total-Lumicene-mPE-M-3581-UV-Metallocene-Polyethylene-Rotomolding.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.935 g/cc	0.935 g/cc	ISO 1183
Melt Flow	6.0 g/10 min	6.0 g/10 min	ISO 1133/D
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	
	135 g/10 min	135 g/10 min	ISO 1133
	@Load 21.6 kg, Temperature 190 °C	@Load 47.6 lb, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	11.0 MPa	1600 psi	ISO 527-2
Tensile Strength, Yield	18.0 MPa	2610 psi	ISO 527-2
Elongation at Break	>= 700 %	>= 700 %	ISO 527-2
Flexural Modulus	0.700 GPa	102 ksi	ISO 178

Thermal Properties	Metric	English	Comments
Melting Point	123 °C	253 °F	ISO 11357
Vicat Softening Point	121 °C	250 °F	ISO 306

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