

Total Lumicene® mPE M 4041 UV Metallocene Polyethylene, Rotomolding

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

Material Notes:

Lumicene® mPE M 4041 UV is a new generation metallocene medium density polyethylene with hexene as comonomer. Lumicene® mPE M 4041 UV is intended for the manufacture of rotomolded items. Lumicene® mPE M 4041 UV is a natural grade available in pellets form. Information provided by Total Petrochemicals.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Total-Lumicene-mPE-M-4041-UV-Metallocene-Polyethylene-Rotomolding.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.940 g/cc	0.940 g/cc	ISO 1183
Melt Flow	4.0 g/10 min @Load 2.16 kg, Temperature 190 °C	4.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ISO 1133/D

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	21.0 MPa	3050 psi	ISO 527-2
Tensile Strength, Yield	21.0 MPa	3050 psi	ISO 527-2
Elongation at Break	>= 800 %	>= 800 %	ISO 527-2
Elongation at Yield	11 %	11 %	ISO 527-2
Flexural Modulus	0.730 GPa	106 ksi	ISO 178
Charpy Impact, Notched	>= 15.0 J/cm² @Temperature 23.0 °C	>= 71.4 ft-lb/in² @Temperature 73.4 °F	ISO 179-1
	>= 15.0 J/cm² @Temperature -30.0 °C	>= 71.4 ft-lb/in² @Temperature -22.0 °F	ISO 179-1

Thermal Properties	Metric	English	Comments
Melting Point	126 °C	259 °F	ISO 11357

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