

Description

Lumicene[®] mPE M 4041 UV is a new generation metallocene medium density polyethylene (mMDPE) with hexene as comonomer.

Lumicene[®] mPE M 4041 UV is intended for the manufacture of large rotomoulded items.

Lumicene[®] mPE M 4041 UV is a natural grade available in pellets form.

Characteristics

Property	Method	Unit	Typical value (*)
Density	ISO 1183	g/cm ³	0.940
Melt Flow Rate (190°C/2.16kg)	ISO 1133/D	g/10min	4
Melting Point	ISO 11357	°C	126
Tensile Strength at yield	ISO 527-2	MPa	21
Tensile Strength at break	ISO 527-2	MPa	21
Elongation Strength at yield	ISO 527-2	%	11
Elongation Strength at break	ISO 527-2	%	800
Flexural Modulus	ISO 178	MPa	730
Notched Charpy Impact Resistance 23°C	ISO 179-1	kJ/m ²	> 150
Notched Charpy Impact Resistance -30°C	ISO 179-1	kJ/m ²	> 150

(*) Data not intended for specification purposes