TOTAL Polyethylene Lumicene® M 4043 UV (EU)

Metallocene Medium Density Polyethylene

TOTAL Refining & Chemicals

Message:

Lumicene mPE M4043 UV is a new generation metallocene Medium Density Polyethylene (mMDPE) with hexene as comonomer.
Lumicene mPE M4043 UV is intended for the manufacture of rotomoulded items.
Lumicene mPE M4043 UV is a natural Specialty Compound available in powder form.
Main Characteristics
Its specific molecular structure ensures:
Superior mechanical properties
Improved dimensional stability
Easy processing
Application
Suitable for monolayer and multi-layer with foam technology.

General Information			
Features	Good dimensional stability hexene comonomer Workability, good Medium density		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS compliance		
Appearance	Natural color		
Forms	Powder		
Processing Method	rotomolding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.940	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	4.0	g/10 min	ISO 1133
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	650	MPa	ISO 527-2/1B
Tensile Stress (Yield)	18.0	MPa	ISO 527-2
Tensile Strain (Break)	> 700	%	ISO 527-2
Thermal	**Nominal Value**	**Unit**	**Test Method**
Melting Temperature	123	°C	ISO 11357-3

Recommended distributors for this material

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