

Lupolen 3621 M RM

Medium Density Polyethylene

LyondellBasell Industries

Message:

Lupolen 3621 M RM is a new generation hexene linear medium-density polyethylene for rotational molding. Typical customer applications include agricultural and chemical storage containers, technical parts and automotive parts. This product exhibits excellent ESCR and high impact strength at low temperatures. Lupolen 3621 M RM is a fully UV-stabilized and pelletized polymer. Tests have shown that this material is resisting against the harmful effect of biodiesel fuel.**

It is not intended for use in medical and pharmaceutical applications.

** Resistance is based on our latest patented technology

General Information			
Additive	UV stabilizer		
Features	Low warpage		
	High ESCR (Stress Cracking Resistance)		
	hexene comonomer		
	Impact resistance, high		
	Workability, good		
	Low temperature impact resistance		
	Fuel resistance		
Uses	Packaging		
	Engineering accessories		
	Agricultural application		
	Application in Automobile Field		
	Container		
	Loading box		
Forms	Particle		
Processing Method	rotomolding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	0.936	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	7.5	g/10 min	ISO 1133
Environmental Stress-Cracking Resistance	> 1000	hr	ASTM D1693B
Full Notch Creep Test ¹ (50°C)	15.0	hr	ISO 16770
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	700	MPa	ISO 527-2
Tensile Stress (Yield)	17.0	MPa	ISO 527-2
Tensile Strain (Yield)	10	%	ISO 527-2
Films	Nominal Value	Unit	Test Method
Tensile Elongation (Break)	> 450	%	ISO 527-3

Impact	Nominal Value	Unit	Test Method
Tensile Impact Strength			ISO 8256/1A
-30°C	104	kJ/m ²	ISO 8256/1A
23°C	213	kJ/m ²	ISO 8256/1A
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	113	°C	ISO 306/A50
Extrusion	Nominal Value	Unit	Test Method
Melt Temperature	180 - 210	°C	
Extrusion instructions			
Processing: Recommended range for PIAT (Peak Internal Air Temperature) is 180 - 210 °C. PIAT should not exceed 225 °C.			
NOTE			

1. 6.0 MPa, 2% Arkopal N100

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

