Microthene® MP635962

Linear Low Density Polyethylene

LyondellBasell Industries

Message:

Microthene MP635962 is a high flow hexene LLDPE powder selected by customers for the rotational molding of large hollow objects, including toys, playground equipment, drums and agricultural and chemical storage containers. MP635962 exhibits high ESCR, low temperature impact strength and warp resistance. MP635962 is a UV-stabilized, 35-mesh powder and is also available in pellet form as Petrothene GA635962.

General Information			
Additive	UV stabilizer		
Features	Bending resistance High liquidity Low temperature impact resistance		
Uses	Industrial container Drum Agricultural application Container Toys		
Forms	Powder		
Processing Method	rotomolding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.935	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	6.7	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (100% Igepal CO-630, F50)	> 1000	hr	ASTM D1693A
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [1] (Yield)	18.6	MPa	ASTM D638
Flexural Modulus			ASTM D790
1% secant	738	MPa	ASTM D790
2% secant	627	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Impact Strength			ARM
-40°C, 3.18 mm	54	J	ARM
-40°C, 6.35 mm	197	J	ARM
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	57.0	°C	ASTM D648
1.8 MPa, not annealed	39.0	°C	ASTM D648

NOTE	
1.	51 mm/min

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