

Total Lumicene® mPE BM359 SG Metallocene Medium Density High Gloss Blow Molding Resin

Category : Polymer , Film , Thermoplastic , Polyethylene (PE) , HDPE , MDPE , Medium Density Polyethylene (MDPE), Film Grade

Material Notes:

Metallocene Medium Density High Gloss Blow Molding Resin Characteristics: Outstanding gloss Good flexibility Excellent impact strength Good ESCR USP Class VI compliant FDA Compliant Applications: Coextruded Glossy Bottles Monolayer Squeezable Bottles Injection Blow Molded Containers Information provided by Total Petrochemicals.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Total-Lumicene-mPE-BM359-SG-Metallocene-Medium-Density-High-Gloss-Blow-Molding-Resin.php

Physical Properties	Metric	English	Comments
Density	0.935 g/cc	0.0338 lb/in ³	ASTM D792
ESCR 100% Igepal®	>= 1000 hour	>= 1000 hour	F50; ASTM D1693, B
ESCR 10% Igepal®	>= 1000 hour	>= 1000 hour	F50; ASTM D1693, B
Melt Flow	0.90 g/10 min	0.90 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	
	25 g/10 min	25 g/10 min	ASTM D1238
	@Load 21.6 kg, Temperature 190 °C	@Load 47.6 lb, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	27.6 MPa	4000 psi	ASTM D638
Elongation at Break	>= 600 %	>= 600 %	ASTM D638
Flexural Modulus	0.738 GPa	107 ksi	ASTM D790
Izod Impact, Notched	5.61 J/cm	10.5 ft-lb/in	ASTM D256
Impact Test	31.2 J	23.0 ft-lb	Cold Temperature Impact Energy; ASTM D3763
	@Temperature -20.0 °C	@Temperature -4.00 °F	

Thermal Properties	Metric	English	Comments
Melting Point	124 °C	255 °F	ASTM D3417

Optical Properties	Metric	English	Comments
Gloss	40 - 80 %	40 - 80 %	at 60°; TOTAL Method

Optical Properties	Metric	English	Comments
Processing Properties	Metric	English	Comments
Melt Temperature	182 - 199 °C	360 - 390 °F	Extrusion

Descriptive Properties	Value	Comments
Process	Blow Molding	
Region	US & Canada	Bamberger Polymers Distribution

Contact Songhan Plastic Technology Co.,Ltd.

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