

TOTAL Polyethylene Lumicene® BM 359 SG

Medium Density Polyethylene

TOTAL Refining & Chemicals

Message:

TOTAL Polyethylene BM359 SG is a polyethylene material. This product is available in North America or Asia Pacific region. The processing method is blow molding or injection blowing molding.

The main features of the TOTAL Polyethylene BM359 SG are:

Comply with REACH standard

high gloss

High resistance to environmental stress fracture (ESCR)

Good flexibility

Impact resistance

Typical application areas include:

food contact applications

bottle

medical/health care

General Information	
Features	High ESCR (Stress Cracking Resistance)
	Highlight
	Impact resistance, good
	Good flexibility
Uses	Bottle
Agency Ratings	EC 1907/2006 (REACH)
	FDA 21 CFR 177.1520(c) 2.1
	FDA 21 CFR 177.1520(c) 2.2
	USP Class VI
Forms	Particle
Processing Method	Blow molding
	Injection blowing molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.935	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)			ASTM D1238
190°C/2.16 kg	0.90	g/10 min	ASTM D1238
190°C/21.6 kg	25	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance			ASTM D1693B
10% Igepal, F50	> 1000	hr	ASTM D1693B
100% Igepal, F50	> 1000	hr	ASTM D1693B
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	27.6	MPa	ASTM D638
Tensile Elongation ² (Break)	600	%	ASTM D638

Flexural Modulus	738	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	560	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Peak Melting Temperature	124	°C	ASTM D3418
Additional Information			
Cold Temperature Impact Energy, ASTM D3763, -20°C: 23.0 ft-lbElongation at Break, ASTM D638, Type IV, 2 in/min: >600%Gloss, TOTAL Method, 60°: 40 to 80			
Extrusion	Nominal Value	Unit	
Melt Temperature	182 - 199	°C	
NOTE			
1.	Type 4, 51mm/min		
2.	Type 4, 51mm/min		

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

