

## Total Finacene® BM359SG HDPE, blow molding (Unverified Data\*\*)

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Blow Molding Grade

### Material Notes:

FINACENE® BM359 SG has been especially designed for the manufacture of blow moulded bottles (up to 5 liters) with a superior surface gloss and contact transparency. It is recommended either in mono-layer applications for flexible bottles (e.g. squeeze-able bottles) or in co-extrusion with FINATHENE® BM593 for rigid bottles. Typical applications are, both in mono and in co-extrusion, differentiated bottles for personal care products and aggressive liquids (e.g. detergents,...).FINACENE® BM359 SG, a metallocene resin, has a very specific molecular structure that yields superior optical properties as well as an excellent processability. It can be processed easily on conventional equipment both in mono and in co-extrusion. The use of FINACENE® BM359 SG along with FINATHENE BM593 (a bimodal HDPE, based on hexene as co-monomer) in co-extrusion offers an attractive mean to maximize the compromise between easy processability, stress crack resistance, bottle rigidity and superior surface gloss.Total Petrochemicals includes former Fina and Atofina plastics product lines.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Total-Finacene-BM359SG-HDPE-blow-molding-nbspUnverified-Data.php](http://www.lookpolymers.com/polymer_Total-Finacene-BM359SG-HDPE-blow-molding-nbspUnverified-Data.php)

Physical Properties	Metric	English	Comments
Density	0.935 g/cc	0.0338 lb/in <sup>3</sup>	ISO 1183
Environmental Stress Crack Resistance	>= 1000 hour	>= 1000 hour	100% ant.; ASTM D1693-70
Melt Flow	0.90 g/10 min @Load 2.16 kg	0.90 g/10 min @Load 4.76 lb	ISO 1133
High Load Melt Index	25 g/10 min @Load 21.6 kg	25 g/10 min @Load 47.6 lb	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	35.0 MPa	5080 psi	ISO 527
Tensile Strength, Yield	17.0 MPa	2470 psi	ISO 527
Elongation at Break	>= 700 %	>= 700 %	ISO 527
Elongation at Yield	12 %	12 %	ISO 527
Flexural Modulus	0.650 GPa	94.3 ksi	ISO 178

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

Optical Properties	Metric	English	Comments
Gloss	60 - 90 %	60 - 90 %	60 Degrees

Optical Properties

Metric

English

Comments

## Contact Songhan Plastic Technology Co.,Ltd.

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