



Lumicene® mPE BM359SG

Metallocene Medium Density Polyethylene High Gloss Blow Molding Resin

BLOW MOLDING

RESIN PROPERTIES ⁽¹⁾

	Method	Unit	Typical Value
Melt Flow Index	D1238	g/10 min	–
190°C/2.16 kg	–	–	0.9
190°C/21.6 kg (HLMI)	–	–	25
Density	D792	g/cm ³	0.935
Melting Temperature	D3418	°F	255

MECHANICAL PROPERTIES ⁽¹⁾⁽²⁾

	Method	Unit	Typical Value
Tensile Strength at Yield	D638	psi	4,000
Elongation at Break	D638	%	> 600
Flexural Modulus	D790	psi	107,000
Izod Impact at 23°C	D256	ft-lb/in	10.5
ESCR ⁽³⁾	D1693, B	hrs	–
100% Igepal	–	–	> 1,000
10% Igepal	–	–	> 1,000

(1) Data developed under laboratory conditions and are not to be used as specification, maxima or minima.

(2) The data listed were determined on compression-molded specimens and may, therefore, vary from specimens taken from molded articles.

(3) Environmental Stress Crack Resistance (ESCR).

CHARACTERISTICS:

- Outstanding gloss
- Good flexibility
- Excellent impact strength
- Excellent ESCR
- Soft touch

APPLICATIONS:

- Coextruded glossy bottles
- Monolayer squeezable bottles
- Injection-blow molded containers

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