

Description

Polyethylene Lumicene® mPE BM359 SG: Outstanding gloss; good flexibility; excellent impact strength; good ESCR; USP Class VI compliant; FDA Compliant⁽¹⁾

Applications: Lumicene® mPE BM359 SG is recommended for coextruded glossy bottles, monolayer squeezable bottles and injection blow molded containers.

Characteristics

	Method	Unit	Typical Value
Rheological Properties⁽¹⁾			
Melt Flow Index	D-1238	g/10 min	
190°C/2.16 kg			0.9
190°C/21.6 kg (HLMI)			25
Mechanical Properties⁽²⁾⁽³⁾			
60° Gloss	TOTAL Method		40 to 80
Tensile Strength at Yield	D-638	psi	4000
Elongation at Break	D-638	%	> 600
Flexural Modulus	D-790	psi	107000
Izod Impact @ 23°C	D-256	ft-lb/in	10.5
ESCR ⁽⁴⁾ , F ₅₀	D-1693, Cond B		
	100% Igepal	hrs	> 1000
	10% Igepal	hrs	> 1000
Thermal Properties⁽²⁾			
Melting Point	D-3417	°F	255
Other Physical Properties			
Density	D-792	g/cc	0.935

(1) Complies with FDA 21 CFR § 177.1520, Para. © 2.1 and 2.2

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

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

(4) Environmental Stress Crack Resistance