



HDPE B5845

Bimodal High Density Polyethylene Small Part Blow Molding Resin

BLOW MOLDING

RESIN PROPERTIES ⁽¹⁾

	Method	Unit	Typical Value
Melt Flow Index	D1238	g/10 min	–
190°C/2.16 kg	–	–	0.45
Density	D792	g/cm ³	0.958
Melting Temperature	D3418	°F	272

MECHANICAL PROPERTIES ⁽¹⁾⁽²⁾

	Method	Unit	Typical Value
Tensile Strength at Yield	D638	psi	4,500
Elongation at Break	D638	%	200
Flexural Modulus at 2% strain	D790	psi	135,000
Flexural Modulus at 1% strain	D790	psi	165,000
ESCR ⁽³⁾	D1693, B	hrs	–
100% Igepal	–	–	> 800
10% Igepal	–	–	> 300

(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:

- Excellent ESCR⁽³⁾
- High stiffness
- Lightweighting potential

APPLICATIONS:

- Bleach and detergent containers
- Industrial chemicals containers
- Industrial parts
- Food packaging

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