



# HDPE B5845

Bimodal High Density Polyethylene Small Part Blow Molding Resin

BLOW MOLDING

## RESIN PROPERTIES <sup>(1)</sup>

	Method	Unit	Typical Value
Melt Flow Index	D1238	g/10 min	–
190°C/2.16 kg	–	–	0.45
190°C/21.6 kg (HLMI)	–	–	36
Density	D792	g/cm <sup>3</sup>	0.958
Melting Temperature	D3418	°F	272

## MECHANICAL PROPERTIES <sup>(1)(2)</sup>

	Method	Unit	Typical Value
Tensile Strength at Yield	D638	psi	4,500
Elongation at Break	D638	%	200
1% Flexural Modulus	D790	psi	165,000
2% Flexural Modulus	D790	psi	135,000
ESCR <sup>(3)</sup>	D1693, B	hr	–
10% Igepal®, F50	–	–	> 300
100% Igepal®, F50	–	–	> 800

(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<sup>(3)</sup>
- High stiffness
- Lightweighting potential

## APPLICATIONS:

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

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