



# BAPOLENE®

## HIGH DENSITY POLYETHYLENE BAPOLENE® 5005H BLOW MOLDING

**Description:** Bapolene® 5005H is a high molecular weight, high density copolymer polyethylene resin. Product exhibits superior impact strength and ESCR. Resin contains a process stabilizer package.

**Application:** Drums and industrial parts.

*Values reported are typical and should not be interpreted as specification.*

All data are based on compression-molded plaques.

GENERAL PROPERTIES	NOMINAL VALUE	ASTM TEST METHOD
Melt Index <sup>1</sup> , g/10 min.	5.0	D-1238
Density, g/cm <sup>3</sup>	0.954	D-792
Tensile Strength @ Yield, psi (MPa)	4,000 (27.6)	D-638
Elongation @ Break, %	820	D-638
Flexural Modulus, psi (MPa)	203,500 (1,403)	D-790
ESCR, Hours <small>F50, 100% IGEPAL, Condition A</small>	> 500	D-1693
Brittleness T <sup>2</sup> , °F (°C)	< -148 (< -100)	D-746
IZOD Impact Strength <sup>3</sup> , ft-lb <sub>f</sub> /in (J/m)	7.0 (0.38)	D-256

<sup>1</sup> 190°C/21,600 g

<sup>2</sup> F<sub>50</sub>, notched specimen

<sup>3</sup> 3.2mm (0.125 in.) specimen

THIS PRODUCT DATA SHEET EFFECTIVE MARCH 2008 SUPERSEDES ALL DATA PREVIOUSLY PUBLISHED

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