



BAPOLENE®

HIGH DENSITY POLYETHYLENE BAPOLENE® 5010H BLOW MOLDING

Description: Bapolene® 5010H is a high molecular weight, high density copolymer polyethylene resin. Product exhibits superior impact strength and ESCR. Resin contains a process stabilizer package and complies with the FDA 21 CFR177.1520 for olefin polymers, par. (c) 3.2a.

Application: Jerry cans, fuel tanks, drums and large 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 ¹ , g/10 min.	10.0	D-1238
Density, g/cm ³	0.951	D-792
Tensile Strength @ Yield, psi (MPa)	3,690 (25)	D-638
Elongation @ Break, %	815	D-638
Flexural Modulus, psi (MPa)	184,600 (1,273)	D-790
ESCR, Hours F ₅₀ 100% IGEPAL, Condition B	> 920	D-1693
IZOD Impact Strength ³ , ft-lb _f /in (J/m)	3.5 (6.5)	D-256

¹ 190°C/21,600 g

³ 3.2mm (0.125 in.) specimen

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

BAMBERGER POLYMERS INTERNATIONAL CORP.

Two Jericho Plaza, Jericho, New York, 11753, U.S.A. / Tel: 516-622-3600 / Fax: 516-622-3620 / Email: bpinfo@bapoly.com

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