

Bapolene® 5010H

High Density (HMW) Polyethylene

Product Description

This resin is a high molecular weight, high density copolymer polyethylene resin. This resin exhibits superior impact strength and ESCR and contains a process stabilizer. This product meets US FDA 21 CFR 177.1520.

General

Additive	• Processing Stabilizer		
Features	• High ESCR (Stress Crack Resist.)	• High Impact Resistance	• High Molecular Weight
Uses	• Blow Molding Applications • Drums	• Fuel Tanks • Jerricans	
Agency Ratings	• FDA 21 CFR 177.1520		
Processing Method	• Blow Molding		

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density	0.953 g/cm ³	0.953 g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	10 g/10 min	10 g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (ESCR)			ASTM D1693
100% Igepal	600 hr	600 hr	

Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength (Yield)	3690 psi	25.4 MPa	ASTM D638
Flexural Modulus	180000 psi	1240 MPa	ASTM D790

Notes

¹ Typical properties: these are not to be construed as specifications.