

Bapolene® 3040U EU

Medium Density Polyethylene

Product Description

Bapolene® 3040U EU is a UV-resistant medium-density polyethylene copolymer grade with a narrow molecular weight distribution, supplied in pellet form. This grade offers excellent processability, balanced impact strength, and high stiffness. Furthermore, it provides superior internal and external surface finish quality.

General

Additive	• UV Stabilizer		
Features	• Copolymer • Good Impact Resistance • Good Processability	• Good Surface Finish • High Stiffness • Narrow Molecular Weight Distribution	• UV Resistant
Uses	• Containers	• Drums	• Tanks
Processing Method	• Rotational Molding		

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density (73°F (23°C))	0.938 g/cm ³	0.938 g/cm ³	ISO 1872-1
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	4.0 g/10 min	4.0 g/10 min	ISO 1133
Environmental Stress-Cracking Resistance (ESCR) 73°F (23°C), F20	200 hr	200 hr	ASTM D1693

Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength (Yield)	2610 psi	18.0 MPa	Internal Method
Tensile Elongation (Break)	1400 %	1400 %	Internal Method
Flexural Modulus	109000 psi	750 MPa	ISO 178

Impact	Typical Value (English)	Typical Value (SI)	Test Method
Charpy Unnotched Impact Strength	9.5 ft·lb/in ²	20 kJ/m ²	Internal Method