



Bapolene® 3042U

Hexene C6 Linear Low Density Polyethylene

Product Description

This resin is a hexene linear low density polyethylene designed to provide an excellent combination of ESCR and impact. It contains a UV additive package. This product meets US FDA 21 CFR 177.1520.

General

Additive	• UV Stabilizer		
Features	• Food Contact Acceptable • Hexene Copolymer	• High ESCR (Stress Crack Resist.) • High Impact Resistance	• UV Resistant
Uses	• Containers	• Drums	• Industrial Tanks
Agency Ratings	• FDA 21 CFR 177.1520		
Processing Method	• Rotational Molding		
Revision Date	• 7/15/2024		

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density	0.936 g/cm ³	0.936 g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	5.0 g/10 min	5.0 g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (ESCR)			ASTM D1693
100% Igepal	1000 hr	1000 hr	

Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength (Yield)	2600 psi	17.9 MPa	ASTM D638
Flexural Modulus - 1% Secant	86500 psi	596 MPa	ASTM D790