

Bapolene® 2272

Butene C4 Linear Low Density Polyethylene

Product Description

This resin is a high flow, narrow molecular weight distribution, linear low density polyethylene injection resin. This resin offers excellent stress cracking resistance, flex life, low temperature toughness and low warpage. This product meets US FDA 21 CFR 177.1520.

General

Features	<ul style="list-style-type: none"> • Butene Copolymer • Food Contact Acceptable • Good Stiffness 	<ul style="list-style-type: none"> • High ESCR (Stress Crack Resist.) • High Flow • Low Temperature Toughness 	<ul style="list-style-type: none"> • Low Warpage • Narrow Molecular Weight Distribution
Uses	<ul style="list-style-type: none"> • Caps • Closures 	<ul style="list-style-type: none"> • Color Concentrates • Containers 	<ul style="list-style-type: none"> • Household Goods • Industrial Applications
Agency Ratings	<ul style="list-style-type: none"> • FDA 21 CFR 177.1520 		
Processing Method	<ul style="list-style-type: none"> • Injection Molding 		

Physical	Typical Value (English)	Typical Value (SI)	Test Method
Density	0.925 g/cm ³	0.925 g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	20 g/10 min	20 g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (ESCR)			ASTM D1693
100% Igepal, F50	25.0 hr	25.0 hr	

Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength ² (Yield)	1620 psi	11.2 MPa	ASTM D638
Tensile Elongation (Break)	200 %	200 %	ASTM D638
Flexural Modulus - 1% Secant	40000 psi	276 MPa	ASTM D790