

Bapolene® 3282

High Density Polyethylene

Product Description

This resin is a high density polyethylene resin that offers fast cycle times. This product meets US FDA 21 CFR 177.1520.

General

Features	<ul style="list-style-type: none"> • Fast Molding Cycle • Food Contact Acceptable 	<ul style="list-style-type: none"> • High Flow • Narrow Molecular Weight Distribution 	<ul style="list-style-type: none"> • Warp Resistant
Uses	<ul style="list-style-type: none"> • Containers • General Purpose 	<ul style="list-style-type: none"> • Household Goods • Thin-walled Containers 	<ul style="list-style-type: none"> • Toys
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	0.950 g/cm ³	0.950 g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	30 g/10 min	30 g/10 min	ASTM D1238

Mechanical	Typical Value (English)	Typical Value (SI)	Test Method
Tensile Strength ² (Yield)	3350 psi	23.1 MPa	ASTM D638
Flexural Modulus - Tangent ³	143000 psi	986 MPa	ASTM D790

Notes

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

² 2.0 in/min (51 mm/min)

³ Method I (3 point load)