

Toler PE PE553

High Density Polyethylene

Toler Chemical, Inc

Message:

Toler PE PE553 is a High Density Polyethylene product. It can be processed by injection molding and is available in North America. Applications of Toler PE PE553 include containers, caps/lids/closures, food contact applications and household applications.

Characteristics include:

- Good Stiffness
- Good Toughness
- Impact Resistant
- Warp Resistant

General Information			
Features	Good Stiffness		
	Good Toughness		
	High Impact Resistance		
	Warp Resistant		
Uses	Closures		
	Crates		
	Household Goods		
	Pails		
	Shipping Containers		
Agency Ratings	ASTM D 1248, III, Class A, Cat. 3		
	FDA 21 CFR 177.1520 2		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.952 to 0.955	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	4.5 to 6.0	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (F50)	20.0	hr	ASTM D1693A
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	30.0	MPa	ASTM D638
Tensile Elongation (Break)	> 400	%	ASTM D638
Flexural Modulus	1450	MPa	ASTM D790
Injection	Nominal Value	Unit	
Processing (Melt) Temp	218 to 274	°C	

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Recommended distributors for this material

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