

Toler PE PE545

High Density Polyethylene

Toler Chemical, Inc

Message:

Toler PE PE545 is a High Density Polyethylene product. It can be processed by injection molding and is available in North America. Applications of Toler PE PE545 include containers, agricultural, food contact applications and tanks.

Characteristics include:

High ESCR (Stress Crack Resistant)

Impact Resistant

Warp Resistant

General Information			
Features	High ESCR (Stress Crack Resist.)		
	High Impact Resistance		
	Warp Resistant		
Uses	Agricultural Applications		
	Containers		
	Food Containers		
	Fuel Tanks		
	Industrial 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	0.944 to 0.946	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	4.5 to 5.5	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (F50)	30.0	hr	ASTM D1693A
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	22.0	MPa	ASTM D638
Tensile Elongation (Break)	> 400	%	ASTM D638
Flexural Modulus	1030	MPa	ASTM D790
Injection	Nominal Value	Unit	
Processing (Melt) Temp	218 to 274	°C	

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