

Toler PE H5000

High Density (HMW) Polyethylene

Toler Chemical, Inc

Message:

Toler PE H5000 is a high density (HMW) polyethylene product. It can be processed by extrusion and is available in North America. The application areas of Toler PE H5000 include food contact applications, bags/linings, packaging and movies.

Features include:

high molecular weight

Good processability

Good tear strength

Impact resistance

General Information			
Features	High molecular weight		
	Impact resistance, good		
	Workability, good		
	Good stripping		
	Good tear strength		
Uses	Packaging		
	Films		
	Bags		
	Food packaging		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.956	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.040	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	22.6	MPa	ASTM D638
Fracture	29.4	MPa	ASTM D638
Tensile Elongation (Break)	> 500	%	ASTM D638
Apparent Bending Modulus	981	MPa	ASTM D747
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	124	°C	ASTM D746
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	180 - 230	°C	
Cylinder Zone 2 Temp.	180 - 230	°C	
Cylinder Zone 3 Temp.	180 - 230	°C	

Cylinder Zone 4 Temp.	180 - 230	°C
Cylinder Zone 5 Temp.	180 - 230	°C
Die Temperature	230 - 300	°C

Extrusion instructions

Blow Up Ratio: 3 - 6FLH: 40 - 120cm

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