InnoPlus HD8000F

High Density Polyethylene

PTT Global Chemical Public Company Limited

Message:

InnoPlus HD8000F is high density polyethylene film grade which has high molecular weight and possesses broad molecular weight distribution. This grade exhibits excellent mechanical strength even low gauges, very high impact strength, good stiffness and good heat sealability. InnoPlus HD8000F is suitable for wide film and heavy duty applications.
Typical Application: Liner films, Industrial films, Garbage bags, Plastic Sheets and Table clothes

General Information	
Features	Food Contact Acceptable
	Good Heat Seal
	Good Impact Resistance
	Good Stiffness
	Good Strength
	High Molecular Weight
	Med.-Wide Molecular Weight Distrib.
Uses	Film
	Heavy-duty Bags
	Liners
	Sheet
	Table Products
Agency Ratings	FDA 21 CFR 177.1520
RoHS Compliance	RoHS Compliant
Forms	Pellets
Processing Method	Extrusion
	Film Extrusion

Physical	Nominal Value	Unit	Test Method
Density	0.950	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.030	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (25% Igepal, F50)	> 2000	hr	ASTM D1693B
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore D)	62		ASTM D2240
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength			ASTM D638
Yield	29.4	MPa	
Break	31.4	MPa	

Tensile Elongation (Break)	790	%	ASTM D638
Apparent Bending Modulus	775	MPa	ASTM D747
Flexural Modulus	1230	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact [1]	510	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Vicat Softening Temperature	123	°C	ASTM D1525 [2]
Peak Melting Temperature	128	°C	ASTM D3418
Extrusion	**Nominal Value**	**Unit**	
Cylinder Zone 1 Temp.	180 to 200	°C	
Cylinder Zone 2 Temp.	180 to 200	°C	
Cylinder Zone 3 Temp.	180 to 200	°C	
Cylinder Zone 4 Temp.	180 to 200	°C	
Cylinder Zone 5 Temp.	180 to 200	°C	
Die Temperature	190 to 210	°C	
NOTE			
1.	Non break		
2.	Rate A (50°C/h), Loading 1 (10 N)		

Recommended distributors for this material

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WECHAT