

InnoPlus HD3355F

High Density Polyethylene

PTT Global Chemical Public Company Limited

Message:

InnoPlus HD3355F is produced by slurry process, a technology licensed by Mitsui. This grade has well balance property of optical property, mechanical property and processability. The special characteristic of this grade consists of low gel content, stiffness and packing property. This grade is suitable for high quality film, produced by co-extrusion process.

General Information			
Features	Food Contact Acceptable		
	Good Processability		
	Good Stiffness		
	Low Gel		
	Opticals		
Uses	Film		
	Laminates		
	Packaging		
	Tubing		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Coextrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.951	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.1	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	62		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	23.5	MPa	
Break	36.3	MPa	
Tensile Elongation (Break)	> 1000	%	ASTM D638
Apparent Bending Modulus	735	MPa	ASTM D747
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact ¹	140	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	122	°C	ASTM D1525 ²
Melting Temperature	131	°C	ASTM D3418
Extrusion	Nominal Value	Unit	

Cylinder Zone 1 Temp.	170 to 190	°C
Cylinder Zone 2 Temp.	170 to 190	°C
Cylinder Zone 3 Temp.	170 to 190	°C
Cylinder Zone 4 Temp.	170 to 190	°C
Cylinder Zone 5 Temp.	170 to 190	°C
Die Temperature	190 to 200	°C

NOTE

1. Complete break
2. Rate A (50°C/h), Loading 1 (10 N)

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