POLIMAXX 1150H

IRPC Public Company Limited - *Polypropylene Homopolymer*

General Information

Product Description

1150H is a Polypropylene Homopolymer with the characteristic of high stiffness impact, high clarity and high thermal. It is suitable for various applications like blow molding and sheet extrusion.

PRODUCT FEATURES:

- High stiffness and Impact balance
- High clarity
- Retort & Microwaveable
- Good processability

TYPICAL APPLICATION:

- Microwavable thermoforming packaging
- High clarity extrusion sheet
- Extrusion Blow Molding bottle (EBM)

COMPLIANCE:

- FDA US 21 CFR 177.1520
- Commission Regulation (EU) No. 10/2011
- RoHS
- REACH

General			
Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Features	• Food Contact Acceptable • Good Processability	• High Clarity • High Impact Resistance	• High Stiffness • Homopolymer
Uses	• Blow Molding Applications • Bottles	• Sheet • Thermoforming Applications	
Agency Ratings	• EU No 10/2011	• FDA 21 CFR 177.1520	
RoHS Compliance	• RoHS Compliant		
Processing Method	• Blow Molding	• Sheet Extrusion	• Thermoforming

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.902		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.2	g/10 min	ASTM D1238
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Yield)	5800	psi	ASTM D638
Tensile Elongation (Yield)	10	%	ASTM D638
Flexural Modulus - 1% Secant	290000	psi	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (73°F)	1.0	ft·lb/in	ASTM D256
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	110		ASTM D785
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (66 psi, Unannealed)	257	°F	ASTM D648
Optical	**Nominal Value**	**Unit**	**Test Method**
Haze (39.37 mil)	25.0	%	ASTM D1003

Processing Information

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	356 to 410	°F
Cylinder Zone 2 Temp.	356 to 410	°F

Cylinder Zone 3 Temp.	356 to 410 °F
Cylinder Zone 4 Temp.	356 to 410 °F
Die Temperature	374 to 410 °F

Notes

[1] Typical properties: these are not to be construed as specifications.