

POLIMAXX 1140H

IRPC Public Company Limited - Polypropylene Homopolymer

General Information

Product Description

1140H is a Polypropylene Homopolymer with the characteristic of good stiffness and balance impact. It is suitable for various applications like blow molding and sheet extrusion.

PRODUCT FEATURES:

- Good stiffness with Impact balance
- High deep draw thermoforming
- Super high clarity

TYPICAL APPLICATION:

- Super high clarity thermoforming packaging
- Super 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 Stiffness	• Homopolymer
	• Good Impact Resistance	• High Clarity	
Uses	• Bottles	• Sheet	
	• Packaging	• 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

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	0.902		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.0	g/10 min	ASTM D1238
Mechanical			
Tensile Strength (Yield)	5660	psi	ASTM D638
Tensile Elongation (Yield)	10	%	ASTM D638
Flexural Modulus - 1% Secant	268000	psi	ASTM D790
Impact			
Notched Izod Impact (73°F)	0.84	ft·lb/in	ASTM D256
Hardness			
Rockwell Hardness (R-Scale)	110		ASTM D785
Thermal			
Deflection Temperature Under Load (66 psi, Unannealed)	248	°F	ASTM D648
Optical			
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.

