

POLIMAXX 2500H

Polypropylene Impact Copolymer

IRPC Public Company Limited

Message:

2500H is a Polypropylene Block Copolymer resin for extrusion process and blow molding process with good dimensional stability. It is suitable for any parts that need high impact strength such as corrugated board, stationary sheets application, and etc. It also meets the F.D.A. requirement in the code of federal regulations in 21 CFR 177.1520 for food contact.

General Information	
Features	Block Copolymer
	Food Contact Acceptable
	Good Dimensional Stability
	High Impact Resistance
Uses	Corrugated Sheet
	Sheet
	Stationary Supplies
Agency Ratings	FDA 21 CFR 177.1520
RoHS Compliance	RoHS Compliant
Processing Method	Blow Molding
	Extrusion

Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	87		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	25.0	MPa	ASTM D638
Tensile Elongation (Yield)	22	%	ASTM D638
Flexural Modulus - 1% Secant	1100	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	13	kJ/m²	DIN 53453
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	92.0	°C	ASTM D648
Extrusion	Nominal Value	Unit	
Melt Temperature	190 to 240	°C	

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