

POLIMAXX 1102H

Polypropylene Homopolymer
IRPC Public Company Limited

Message:

1102H is a Polypropylene Homo-polymer with the characteristic of good stiffness and good impact. It is suitable for various applications like blow molding, sheet extrusion, mono-filament and yarn. 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	Food Contact Acceptable		
	Good Impact Resistance		
	Good Stiffness		
	Homopolymer		
Uses	Bags		
	BCF Yarn		
	Bottles		
	Corrugated Sheet		
	Crates		
	Cups		
	Monofilaments		
	Rope		
	Sheet		
	Stationary Supplies		
	Tape		
Agency Ratings	FDA 21 CFR 177.1520		
RoHS Compliance	RoHS Compliant		
Processing Method	Blow Molding		
	Sheet Extrusion		
	Thermoforming		
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)	107		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	37.0	MPa	ASTM D638
Tensile Elongation (Yield)	28	%	ASTM D638
Flexural Modulus - 1% Secant	1600	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	6.0	kJ/m ²	DIN 53453
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	110	°C	ASTM D648
Injection	Nominal Value	Unit	
Processing (Melt) Temp	170 to 290	°C	

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

