

POLIMAXX 1102K

Polypropylene Homopolymer
IRPC Public Company Limited

Message:

1102K is a Polypropylene Homo-polymer resin for extrusion process with the characteristic of good stiffness and good impact. It is suitable for mono-filament and yarn, too. It also meets the F.D.A. requirement in the code of federal regulations in 21 CFR 177.1520 for food contact.

General Information			
UL YellowCard	E132283-222095		
Features	Food Contact Acceptable		
	Good Impact Resistance		
	Good Stiffness		
	Homopolymer		
Uses	Bags		
	BCF Yarn		
	Industrial Applications		
	Monofilaments		
	Rope		
	Sheet		
	Tape		
Agency Ratings	FDA 21 CFR 177.1520		
RoHS Compliance	RoHS Compliant		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	4.0	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)	27	%	ASTM D638
Flexural Modulus - 1% Secant	1600	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	4.5	kJ/m²	DIN 53453
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	110	°C	ASTM D648
Extrusion	Nominal Value	Unit	
Melt Temperature	200 to 280	°C	

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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

