POLIMAXX 1202J

IRPC Public Company Limited - *Polypropylene Homopolymer*

General Information

Product Description

1202J is a Polypropylene Homopolymer resin with the characteristic of high impact and tensile strength, high stiffness for monofilament, yarn and extrusion process.

PRODUCT FEATURES:
- Excellent stiffness and impact balance
- Excellent tensile strength
- Excellent mechanical properties
- Excellent chemical resistance

TYPICAL APPLICATION:
- Woven bags
- Flexible intermediate bulk containers
- Geotextiles
- Rope
- Stretch tape
- Tarpaulin
- Straw
- Sheet and Industrial board

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

General

Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Features	• Chemical Resistant • Food Contact Acceptable	• High Impact Resistance • High Stiffness	• High Tensile Strength • Homopolymer
Uses	• Bags • Containers • Industrial Applications	• Monofilaments • Rope • Sheet	• Tape • Textile Applications • Yarn
Agency Ratings	• EU No 10/2011	• FDA 21 CFR 177.1520	
RoHS Compliance	• RoHS Compliant		
Processing Method	• Extrusion		

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)	3.0	g/10 min	ASTM D1238

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	5510	psi	ASTM D638
Tensile Elongation (Yield)	10	%	ASTM D638
Flexural Modulus - 1% Secant	247000	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)	107		ASTM D785

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	230	°F	ASTM D648

Processing Information

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	437 to 491	°F
Cylinder Zone 2 Temp.	437 to 491	°F
Cylinder Zone 3 Temp.	437 to 491	°F
Cylinder Zone 4 Temp.	437 to 491	°F
Die Temperature	482 to 491	°F

Notes

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