

## POLIMAXX 1032L

IRPC Public Company Limited - Polypropylene Homopolymer

### General Information

#### Product Description

1032L is a Polypropylene Homopolymer resin with the characteristic of excellent processibility, excellent stiffness and balance impact strength for monofilament, yarn and extrusion process.

#### PRODUCT FEATURES:

- Excellent processibility
- Excellent stiffness and impact balance
- Excellent chemical resistance
- High productivity

#### TYPICAL APPLICATION:

- Woven bags
- Flexible intermediate bulk container
- Geotextiles
- Rope
- Stretch tape
- Tarpaulin
- Straw

#### 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 Stiffness
	• Excellent Processability	• Good Impact Resistance	• Homopolymer
Uses	• Monofilaments	• Tape	• Yarn
	• Rope	• Textile Applications	
Agency Ratings	• EU No 10/2011	• FDA 21 CFR 177.1520	
RoHS Compliance	• RoHS Compliant		
Processing Method	• Extrusion		

### Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.902		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	5.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	5370	psi	ASTM D638
Tensile Elongation (Yield)	9.0	%	ASTM D638
Flexural Modulus - 1% Secant	232000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	0.79	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



<b>Extrusion</b>	<b>Nominal Value</b>	<b>Unit</b>
Cylinder Zone 1 Temp.	428 to 482	°F
Cylinder Zone 2 Temp.	428 to 482	°F
Cylinder Zone 3 Temp.	428 to 482	°F
Cylinder Zone 4 Temp.	428 to 482	°F
Die Temperature	482	°F

#### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

