

## POLIMAXX K4527B

IRPC Public Company Limited - *Polypropylene Random Copolymer*

### General Information

#### Product Description

K4527B is a Polypropylene Random Copolymer with the characteristic of high clarity and high melt flow for using injection molding process.

#### PRODUCT FEATURES:

- High clarity and high gloss
- Without optical brightener
- Odorless

#### TYPICAL APPLICATION:

- High clarity injection molding
- Food container
- Consumer product
- Housewares

#### COMPLIANCE:

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

#### General

Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Features	• High Clarity	• High Gloss	• Random Copolymer
	• High Flow	• Odorless	
Uses	• Consumer Applications	• Food Containers	• Household Goods
Agency Ratings	• EU No 10/2011	• FDA 21 CFR 177.1520	
RoHS Compliance	• RoHS Compliant		
Processing Method	• Injection Molding		

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

	Nominal Value	Unit	Test Method
<b>Physical</b>			
Density / Specific Gravity	0.902		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	27	g/10 min	ASTM D1238
<b>Mechanical</b>			
Tensile Strength (Yield)	4350	psi	ASTM D638
Tensile Elongation (Yield)	13	%	ASTM D638
Flexural Modulus - 1% Secant	167000	psi	ASTM D790
<b>Impact</b>			
Notched Izod Impact (73°F)	1.0	ft·lb/in	ASTM D256
<b>Hardness</b>			
Rockwell Hardness (R-Scale)	90		ASTM D785
<b>Thermal</b>			
Deflection Temperature Under Load (66 psi, Unannealed)	185	°F	ASTM D648
<b>Optical</b>			
Haze (39.37 mil)	8.00	%	ASTM D1003

### Processing Information

	Nominal Value	Unit
<b>Injection</b>		
Rear Temperature	374 to 464	°F
Middle Temperature	374 to 464	°F



Front Temperature	374 to 464 °F
Mold Temperature	104 to 140 °F
Injection Rate	Slow-Moderate

#### Notes

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

