POLIMAXX 1140U

IRPC Public Company Limited - *Polypropylene Homopolymer*

General Information

Product Description

1140U is a Polypropylene Homopolymer with the characteristic of high flow for production of long path and thin wall injection molding process.

PRODUCT FEATURES:

- High Flow ability
- High Speed injection molding
- High Transparency thin-wall
- Dimensional stability

TYPICAL APPLICATION:

- Thin wall packaging
- Long path food container
- Complex parts

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	• Food Contact Acceptable • Good Dimensional Stability	• High Clarity • High Flow	• Homopolymer
Uses	• Engineering Parts	• Food Containers	• Thin-walled Packaging
Agency Ratings	• EU No 10/2011	• FDA 21 CFR 177.1520	
RoHS Compliance	• RoHS Compliant		
Processing Method	• Injection Molding		

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)	60	g/10 min	ASTM D1238
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Yield)	5660	psi	ASTM D638
Tensile Elongation (Yield)	9.0	%	ASTM D638
Flexural Modulus - 1% Secant	254000	psi	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (73°F)	0.51	ft·lb/in	ASTM D256
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	109		ASTM D785
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (66 psi, Unannealed)	248	°F	ASTM D648
Optical	**Nominal Value**	**Unit**	**Test Method**
Haze (39.37 mil)	40.0	%	ASTM D1003

Processing Information

Injection	Nominal Value	Unit
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

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