

POLIMAXX K1111

 IRPC Public Company Limited - *Polypropylene Homopolymer*
General Information
Product Description

K1111 is a Homo Polypropylene (Homo-PP), which has high melt flow index for injection molding process. It features high heat resistance for general purpose injection molding.

Typical applications:

Injection Molding: Thin wall parts, Housewares, Automotive parts, Appliance

General

Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Features	• General Purpose • High Flow	• High Heat Resistance • Homopolymer	
Uses	• Appliances • Automotive Applications	• General Purpose • Household Goods	• Thin-walled Parts
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)	11 g/10 min		ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	5370	psi	ASTM D638
Flexural Modulus - 1% Secant	225000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	0.60	ft·lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	212	°F	ASTM D648

Processing Information

Extrusion	Nominal Value	Unit
Melt Temperature	374 to 464	°F

Notes

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

