

ExxonMobil™ PP1065KN

Polypropylene Homopolymer

Product Description

A high stiffness homopolymer resin designed for injection molding applications with excellent molding cycle time and warpage control.

General

Availability ¹	▪ North America		
Features	▪ Antistatic ▪ Fast Molding Cycle	▪ High Stiffness ▪ Medium Flow	▪ Nucleated ▪ Warp Resistant
Uses	▪ Consumer Applications ▪ Food Packaging	▪ Industrial Applications ▪ Thin-walled Parts	
Appearance	▪ Natural Color		
Form(s)	▪ Pellets		
Processing Method	▪ Injection Molding		
Revision Date	▪ 04/28/2025		

Physical	Typical Value (English)	Typical Value (SI)	Test Based On
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	35 g/10 min	35 g/10 min	ASTM D1238
Density	0.915 g/cm ³	0.915 g/cm ³	ExxonMobil Method

Mechanical	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Strength at Yield 2.0 in/min (51 mm/min)	5780 psi	39.9 MPa	ASTM D638
Tensile Stress at Yield	5630 psi	38.8 MPa	ISO 527-2/50
Elongation at Yield (2.0 in/min (51 mm/min))	7.3 %	7.3 %	ASTM D638
Tensile Strain at Yield	7.1 %	7.1 %	ISO 527-2/50
Flexural Modulus - 1% Secant (0.051 in/min (1.3 mm/min))	278000 psi	1920 MPa	ASTM D790A
Flexural Modulus (0.079 in/min (2.0 mm/min))	271000 psi	1870 MPa	ISO 178

Impact	Typical Value (English)	Typical Value (SI)	Test Based On
Notched Izod Impact (73°F (23°C))	0.34 ft-lb/in	18 J/m	ASTM D256A
Notched Izod Impact Strength (73°F (23°C))	0.90 ft-lb/in ²	1.9 kJ/m ²	ISO 180/1A

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Deflection Temperature Under Load (DTUL) at 66psi - Unannealed	253 °F	123 °C	ExxonMobil Method

Legal Statement

This product, including the product name, shall not be used or tested in any medical application without the prior written acknowledgement of ExxonMobil Chemical as to the intended use. For detailed Product Stewardship information, please contact Customer Service.

Contact your ExxonMobil Chemical Customer Service Representative for potential food contact application compliance (e.g. FDA, EU, HPFB).

Notes

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

¹ Product may not be available in one or more countries in the identified Availability regions. Please contact your Sales Representative for complete Country Availability.

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For additional technical, sales and order assistance: [Contact Us](#)

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