

ExxonMobil™ PP1064L1

Polypropylene Homopolymer

Product Description

A homopolymer resin designed for general use. It is suitable for masterbatch carrier and other compounding applications and for the molding of caps, cups, containers and other consumer products.

General

Uses	▪ Caps ▪ Closures ▪ Compounding	▪ Consumer Applications ▪ Containers ▪ Cups	▪ Lids
Appearance	▪ Natural Color		
Form(s)	▪ Pellets		
Processing Method	▪ Compounding	▪ Injection Molding	

Physical	Typical Value (English)	Typical Value (SI)	Test Based On
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	17 g/10 min	17 g/10 min	ISO 1133
Density	0.9 g/cm ³	0.9 g/cm ³	ExxonMobil Method

Mechanical	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Stress at Yield	4840 psi	33.4 MPa	ISO 527-2/50
Tensile Strain at Yield	8.5 %	8.5 %	ISO 527-2/50
Tensile Modulus	235000 psi	1620 MPa	ISO 527-2/1
Flexural Modulus	196000 psi	1350 MPa	ISO 178

Impact	Typical Value (English)	Typical Value (SI)	Test Based On
Notched Izod Impact Strength (73°F (23°C))	1.2 ft-lb/in ²	2.6 kJ/m ²	ISO 180/1A
Charpy Notched Impact Strength (73°F (23°C))	1.3 ft-lb/in ²	2.8 kJ/m ²	ISO 179/1eA

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Melting Temperature (DSC)	320 °F	160 °C	ISO 3146
Peak Crystallization Temperature (DSC)	237 °F	114 °C	ISO 3146
Heat Deflection Temperature (1.80 MPa)	127 °F	52.6 °C	ISO 75-2/A
Heat Deflection Temperature (0.45 MPa)	186 °F	85.7 °C	ISO 75-2/B
Vicat Softening Temperature	306 °F	152 °C	ISO 306/A50

Hardness	Typical Value (English)	Typical Value (SI)	Test Based On
Shore Hardness (Shore D)	70	70	ISO 868

Legal Statement

This product is not intended for use in medical applications and should not be used in any such applications.

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.