

ExxonMobil PP

PP 1064L1

ExxonMobil PP 1064L1 is a propylene homopolymer.

Typical values

Properties		Unit	Test method (based on)	Value
Melt flow rate	MFR 230/2.16	g/10 min	ISO 1133	16
Mechanical properties				
Tensile modulus of elasticity (v = 1 mm/min)		MPa	ISO 527-2	1400
Tensile yield stress (v = 50 mm/min)		MPa	ISO 527-2	32
Tensile yield strain (v = 50 mm/min)		%	ISO 527-2	7
Flexural modulus		MPa	ISO 178	1300
Izod impact strength notched	+ 23 °C	kJ/m ²	ISO180/1A	2
Charpy impact strength notched	+ 23 °C	kJ/m ²	ISO 179/1eA	3
Shore-hardness D			ISO 868	71
Thermal properties				
Melting point, DSC		°C	ISO 3146	160
Crystallisation point, DSC		°C	ISO 3146	114
Heat deflection temperature	- HDT/A (1.8 MPa)	°C	ISO 75-2	52
	- HDT/B (0.45 MPa)			86
Vicat softening temperature	- VST/A50 (10 N)	°C	ISO 306	152
Other properties				
Density		g/cm ³	ISO 1183	0.9

Applications

Housewares, general purpose

To the best of our knowledge, the polymers and copolymers grades mentioned in this page are intended for various food contact applications in the European Members States and the USA . Restrictions and use limitations may apply. Please contact your ExxonMobil Chemical representative for more detailed information and/or actual compliances certification documents.

ExxonMobil PP 1064L1 has not been designed for applications in the pharmaceutical/medical sector. ExxonMobil Chemical therefore strongly discourages the use of ExxonMobil PP 1064L1 for applications in the pharmaceutical/medical sector.