

# ExxonMobil PP

## PP1374E2

ExxonMobil PP1374E2 is a propylene homopolymer.

### Typical values

Properties		Unit	Test method (based on)	Value
Melt flow rate	MFR 230/2.16	g/10 min	ASTM D1238	25
<b>Mechanical properties</b>				
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	9
Flexural modulus		MPa	ISO 178	1250
Izod impact strength notched	+ 23 °C	kJ/m <sup>2</sup>	ISO180/1A	2
Charpy impact strength notched	+ 23 °C	kJ/m <sup>2</sup>	ISO 179/1eA	1.5
Shore-hardness D			ISO 868	69
<b>Thermal properties</b>				
Melting point, DSC		°C	ISO 3146	159
Crystallisation point, DSC		°C	ISO 3146	115
Heat deflection temperature	- HDT/A (1.8 MPa)	°C	ISO 75-2	50
	- HDT/B (0.45 MPa)			79
Vicat softening temperature	- VST/A50 (10 N)	°C	ISO 306	152
<b>Other properties</b>				
Density		g/cm <sup>3</sup>	ISO 1183	0.9

### Applications

General purpose injection molding.

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 PP1374E2 has not been designed for applications in the pharmaceutical/medical sector. ExxonMobil Chemical therefore strongly discourages the use of ExxonMobil PP1374E2 for applications in the pharmaceutical/medical sector.