

# ExxonMobil PP

## PP1364E1

ExxonMobil PP1364E1 is a medium melt flow, medium MWD Polypropylene Homopolymer. It contains a non gasfading stabilization package.

### Typical values

Properties		Unit	Test method (based on)	Value
Melt flow rate	MFR 230/2.16	g/10 min	ISO 1133	12
<b>Mechanical properties</b>				
Tensile modulus of elasticity (v = 1 mm/min)		MPa	ISO 527-2	1250
Tensile yield stress (v = 50 mm/min)		MPa	ISO 527-2	31
Tensile yield strain (v = 50 mm/min)		%	ISO 527-2	9
Flexural modulus		MPa	ISO 178	1200
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	3.5
Shore-hardness D			ISO 868	72
<b>Thermal properties</b>				
Melting point, DSC		°C	ISO 3146	159
Crystallisation point, DSC		°C	ISO 3146	112
Heat deflection temperature	- HDT/A (1.8 MPa) - HDT/B (0.45 MPa)	°C	ISO 75-2	50 78
Vicat softening temperature	- VST/A50 (10 N)	°C	ISO 306	151
<b>Other properties</b>				
Density		g/cm <sup>3</sup>	ISO 1183	0.9

### Applications

Staple fibers, continuous filament, compounding, general purpose injection molding, caps and closures, garden furnitures

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 PP1364E1 has not been designed for applications in the pharmaceutical/medical sector. ExxonMobil Chemical therefore strongly discourages the use of ExxonMobil PP1364E1 for applications in the pharmaceutical/medical sector.