

# ExxonMobil PP

Chemical

**ExxonMobil**

## PP7085E1

ExxonMobil PP7085E1 is an impact copolymer resin with good flowability. This product is nucleated and contains an antistatic agent.

### Typical values

Properties		Unit	Test method (based on)	Value
Melt flow rate	MFR 230/2.16	g/10 min	ISO 1133	75
<b>Mechanical properties</b>				
Tensile modulus of elasticity (v = 1 mm/min)		MPa	ISO 527-2	1150
Tensile yield stress (v = 50 mm/min)		MPa	ISO 527-2	23
Tensile yield strain (v = 50 mm/min)		%	ISO 527-2	5
Flexural modulus		MPa	ISO 178	1125
Izod impact strength notched	+ 23 °C	kJ/m <sup>2</sup>	ISO 180/1A	5.5
Charpy impact strength notched	+ 23 °C	kJ/m <sup>2</sup>	ISO 179/1eA	7.5
	+ 0 °C			5
	- 20 °C			4
Shore-hardness D			ISO 868	61
<b>Thermal properties</b>				
Melting point, DSC		°C	ISO 3146	161
Crystallisation point, DSC		°C	ISO 3146	123
Heat deflection temperature	- HDT/A (1.8 MPa)	°C	ISO 75-2	50
	- HDT/B (0.45 MPa)			82
Vicat softening temperature	- VST/A50 (10 N)	°C	ISO 306	147
<b>Other properties</b>				
Density		g/cm <sup>3</sup>	ISO 1183	0.9

### Applications

Thin wall 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 PP7085E1 has not been designed for applications in the pharmaceutical/medical sector. ExxonMobil Chemical therefore strongly discourages the use of ExxonMobil PP7085E1 for applications in the pharmaceutical/medical sector.