

ExxonMobil™ PP

PP 1304E1

Product Description

PP 1304E1 is a Polypropylene Homopolymer type designed for Injection Moulding.

PP 1304E1 is characterized by an excellent flow and good mechanical properties.

PP 1304E1 is particularly suitable for the production of caps and closures as well as general purpose applications such as toys, electric appliances, packaging and thin walled parts.

Food law compliance

Most of the ExxonMobil Polypropylene grades do comply with various food contact regulations in Europe and the USA (FDA).

Contact your ExxonMobil Chemical representative for more detailed information and/or actual compliance certification.

Typical properties

	Test Method	Unit	Value
Resin properties			
(based on)			
Melt Flow Rate (230°C, 2.16 kg)	ASTM D 1238	g/10 min	11
Melting Point (DSC)	ASTM D 3418	°C	161
Crystallization Point (DSC)	ASTM D 3418	°C	115
Vicat Softening Point (1 kg)	ISO 306A	°C	152
Mechanical properties *			
Tensile Strength at Yield	ISO 527-2/1B/50	MPa	33
Elongation at Yield	ISO 527-2/1B/50	%	10
Flexural Modulus	ISO 178	MPa	1350
(0.05 - 0.25 %; 2 mm/min)			
IZOD Impact (notched, 23 °C)	ISO 180-4A	kJ/m ²	3.5
Shore Hardness - D (15 sec.)	ISO 868	-	68

* Mechanical properties were measured on injection moulded specimen, prepared according to ISO 1873-2.