ExxonMobil™ PP1364E2

Polypropylene Homopolymer

Product Description

A medium melt flow homopolymer resin suitable for masterbatch carrier and other compounding applications and for the molding of garden furniture, caps and other consumer products.

General

Uses	▪ Caps ▪ Closures	▪ Compounding ▪ Consumer Applications	▪ Cups ▪ Furniture
Appearance	▪ Natural Color		
Form(s)	▪ Pellets		
Processing Method	▪ Compounding	▪ Injection Molding	

Physical	Typical Value (English)		Typical Value (SI)		Test Based On
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	g/10 min	12	g/10 min	ISO 1133
Density	0.9	g/cm³	0.9	g/cm³	ExxonMobil Method

Mechanical	Typical Value (English)		Typical Value (SI)		Test Based On
Tensile Stress at Yield (73°F (23°C))	4790	psi	33.0	MPa	ISO 527-2/50
Tensile Strain at Yield (73°F (23°C))	8.0	%	8.0	%	ISO 527-2/50
Tensile Modulus (73°F (23°C))	210000	psi	1450	MPa	ISO 527-2
Flexural Modulus (73°F (23°C))	196000	psi	1350	MPa	ISO 178

Impact	Typical Value (English)		Typical Value (SI)		Test Based On
Notched Izod Impact Strength (73°F (23°C))	0.95	ft·lb/in²	2.0	kJ/m²	ISO 180/1A
Charpy Notched Impact Strength (73°F (23°C))	1.4	ft·lb/in²	3.0	kJ/m²	ISO 179/1eA

Thermal	Typical Value (English)		Typical Value (SI)		Test Based On
Melting Temperature (DSC)	320	°F	160	°C	ISO 3146
Peak Crystallization Temperature (DSC)	237	°F	114	°C	ISO 3146
Heat Deflection Temperature (1.80 MPa)	124	°F	51.0	°C	ISO 75-2/A
Heat Deflection Temperature (0.45 MPa)	180	°F	82.0	°C	ISO 75-2/B
Vicat Softening Temperature	307	°F	153	°C	ISO 306/A50

Hardness	Typical Value (English)	Typical Value (SI)	Test Based On
Shore Hardness (15 sec)	71	71	ISO 868