

ExxonMobil™ PP2232E1

Polypropylene Homopolymer

Product Description

A medium flow homopolymer resin designed for stretched tapes, monofilament and film products.

General

Availability ¹	▪ Asia Pacific		
Features	▪ Good Processability	▪ Good Tensile Strength	▪ Medium Flow
Uses	▪ Film	▪ Monofilaments	▪ Tape
Appearance	▪ Natural Color		
Form(s)	▪ Pellets		
Processing Method	▪ Extrusion	▪ Injection Molding	
Revision Date	▪ 06/16/2025		

Physical	Typical Value (English)	Typical Value (SI)	Test Based On
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.0 g/10 min	3.0 g/10 min	ASTM D1238
Density	0.900 g/cm ³	0.900 g/cm ³	ExxonMobil Method

Mechanical	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Strength at Yield 2.0 in/min (51 mm/min)	5150 psi	35.5 MPa	ASTM D638
Tensile Stress at Yield	4930 psi	34.0 MPa	ISO 527-2
Elongation at Yield	9.4 %	9.4 %	ASTM D638
Tensile Strain at Yield	9.9 %	9.9 %	ISO 527-2
Flexural Modulus - 1% Secant (0.051 in/min (1.3 mm/min))	228000 psi	1570 MPa	ASTM D790A
Flexural Modulus (0.079 in/min (2.0 mm/min))	216000 psi	1490 MPa	ISO 178

Impact	Typical Value (English)	Typical Value (SI)	Test Based On
Notched Izod Impact (73°F (23°C))	0.71 ft-lb/in	38 J/m	ASTM D256A
Notched Izod Impact Strength (73°F (23°C))	2.4 ft-lb/in ²	5.1 kJ/m ²	ISO 180/1A
Charpy Notched Impact Strength (73°F (23°C))	2.7 ft-lb/in ²	5.7 kJ/m ²	ISO 179

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Heat Deflection Temperature (1.80 MPa)	127 °F	53.0 °C	ISO 75-2/A
Heat Deflection Temperature (0.45 MPa)	196 °F	91.0 °C	ISO 75-2/B

Legal Statement

Contact your ExxonMobil Chemical Customer Service Representative for potential food contact application compliance (e.g. FDA, EU, HPFB).

This product, including the product name, shall not be used or tested in any medical application without the prior written acknowledgement of ExxonMobil Chemical as to the intended use. For detailed Product Stewardship information, please contact Customer Service.

Notes

Typical properties: these are not to be construed as specifications.

¹ Product may not be available in one or more countries in the identified Availability regions. Please contact your Sales Representative for complete Country Availability.

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