ExxonMobil™ PP5722E1

Polypropylene Homopolymer

Product Description

A medium flow homopolymer resin designed for mono-oriented products like stretched tapes and monofilament.

General

Availability [1]	▪ Asia Pacific	
Features	▪ Good Gauge Control ▪ Good Processability	▪ Low Water Carryover ▪ Medium Flow
Uses	▪ Fabrics ▪ Rope	▪ Tape ▪ Yarn
Appearance	▪ Natural Color	
Form(s)	▪ Pellets	
Processing Method	▪ Extrusion	
Revision Date	▪ 03/01/2010	

Physical	Typical Value (English)		Typical Value (SI)		Test Based On
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	4.0	g/10 min	4.0	g/10 min	ASTM D1238
Density	0.900	g/cm³	0.900	g/cm³	ExxonMobil Method

Mechanical	Typical Value (English)		Typical Value (SI)		Test Based On
Tensile Strength at Yield					ASTM D638
2.0 in/min (51 mm/min)	5090	psi	35.1	MPa	
Elongation at Yield (2.0 in/min (51 mm/min))	9.8	%	9.8	%	ASTM D638
Flexural Modulus - 1% Secant					
0.051 in/min (1.3 mm/min)	215000	psi	1480	MPa	ASTM D790A
0.51 in/min (13 mm/min)	246000	psi	1700	MPa	ASTM D790B

Impact	Typical Value (English)		Typical Value (SI)		Test Based On
Notched Izod Impact (73°F (23°C))	0.74	ft·lb/in	40	J/m	ASTM D256A
Gardner Impact					ASTM D5420
73°F (23°C), 0.125 in (3.18 mm), Geometry GC	26.9	in·lb	3.04	J	

Thermal	Typical Value (English)		Typical Value (SI)		Test Based On
Deflection Temperature Under Load (DTUL) at 66psi - Unannealed	200	°F	93.5	°C	ASTM D648

Hardness	Typical Value (English)	Typical Value (SI)	Test Based On
Rockwell Hardness	106	106	ASTM D785

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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For additional technical, sales and order assistance: www.exxonmobilchemical.com/ContactUs

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