ExxonMobil™ PP4792E1

Polypropylene Homopolymer

Product Description

An easy-processing grade designed primarily for oriented film applications.

General

Availability [1]	▪ North America		
Uses	▪ Oriented Film	▪ Packaging	▪ Tape
Appearance	▪ Natural Color		
Form(s)	▪ Pellets		
Processing Method	▪ Film Extrusion		
Revision Date	▪ 10/01/2019		

Physical	Typical Value (English)		Typical Value (SI)		Test Based On
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.7	g/10 min	2.7	g/10 min	ASTM D1238
Density	0.900	g/cm³	0.900	g/cm³	ASTM D1505

Mechanical	Typical Value (English)		Typical Value (SI)		Test Based On
Tensile Strength at Yield					ASTM D638
2.0 in/min (51 mm/min)	5130	psi	35.4	MPa	
Elongation at Yield (2.0 in/min (51 mm/min))	10	%	10	%	ASTM D638
Flexural Modulus - 1% Secant					
0.051 in/min (1.3 mm/min)	223000	psi	1540	MPa	ASTM D790A
0.51 in/min (13 mm/min)	258000	psi	1780	MPa	ASTM D790B

Impact	Typical Value (English)		Typical Value (SI)		Test Based On
Notched Izod Impact (73°F (23°C))	0.66	ft·lb/in	35	J/m	ASTM D256A

Thermal	Typical Value (English)		Typical Value (SI)		Test Based On
Deflection Temperature Under Load (DTUL) at 66psi - Unannealed	204	°F	95.8	°C	ExxonMobil Method

Legal Statement

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.

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

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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