

# ExxonMobil™ PP4712E1

## Polypropylene Homopolymer

### Product Description

An easy-processing homopolymer resin designed primarily for oriented film.

### General

Availability <sup>1</sup>	▪ Latin America	▪ North America
Features	▪ Metallizable	
Uses	▪ Industrial Applications	▪ Oriented Film ▪ Tobacco Overwrap Flexible Packaging
Appearance	▪ Natural Color	
Form(s)	▪ Pellets	
Processing Method	▪ Film Extrusion	
Revision Date	▪ 03/01/2011	

Physical	Typical Value (English)	Typical Value (SI)	Test Based On
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.8 g/10 min	2.8 g/10 min	ASTM D1238
Density	0.9 g/cm <sup>3</sup>	0.9 g/cm <sup>3</sup>	ExxonMobil Method

Mechanical	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Strength at Yield 2.0 in/min (51 mm/min)	4930 psi	34.0 MPa	ASTM D638
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)	208000 psi	1430 MPa	ASTM D790A
0.51 in/min (13 mm/min)	232000 psi	1600 MPa	ASTM D790B

Impact	Typical Value (English)	Typical Value (SI)	Test Based On
Notched Izod Impact (73°F (23°C))	0.97 ft·lb/in	52 J/m	ASTM D256A

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Deflection Temperature Under Load (DTUL) at 66psi - Unannealed	191 °F	88.3 °C	ASTM D648

### 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.

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.

<sup>1</sup> 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](http://www.exxonmobilchemical.com/ContactUs)

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