Product Datasheet

ExxonMobil Signature Polymers

ExxonMobil™ PP7035E4

Polypropylene Impact Copolymer

Product Description

A medium impact copolymer resin designed for injection molding applications requiring high melt flow rate.

General

Availability [1]	▪ North America		
Features	▪ Good Colorability ▪ Good Dimensional Stability	▪ Good Flow ▪ Low Temperature Impact Resistance	
Uses	▪ Bottles ▪ Consumer Applications	▪ Furniture ▪ Packaging	▪ Rigid Packaging
Appearance	▪ Natural Color		
Form(s)	▪ Pellets		
Processing Method	▪ Injection Molding		
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)	35	g/10 min	35	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)	3300	psi	22.8	MPa	
Elongation at Yield (2.0 in/min (51 mm/min))	6.1	%	6.1	%	ASTM D638
Flexural Modulus - 1% Secant					
0.051 in/min (1.3 mm/min)	153000	psi	1050	MPa	ASTM D790A
0.51 in/min (13 mm/min)	171000	psi	1180	MPa	ASTM D790B

Impact	Typical Value (English)		Typical Value (SI)		Test Based On
Notched Izod Impact					ASTM D256A
0°F (-18°C)	0.90	ft·lb/in	48	J/m	
73°F (23°C)	2.1	ft·lb/in	110	J/m	
Gardner Impact					ASTM D5420
-20°F (-29°C), 0.125 in (3.18 mm), Geometry GC	189	in·lb	21.4	J	

Thermal	Typical Value (English)		Typical Value (SI)		Test Based On
Deflection Temperature Under Load (DTUL) at 66psi - Unannealed	185	°F	84.9	°C	ExxonMobil Method

Hardness	Typical Value (English)	Typical Value (SI)	Test Based On
Rockwell Hardness	91	91	ASTM D785

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.

Manufacturer website: https://www.exxonmobilchemical.com/en/products/polyethylene

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

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