Product Datasheet

ExxonMobil Signature Polymers

ExxonMobil™ PP7654KNE2

Polypropylene Impact Copolymer

Product Description

A high impact copolymer resin with medium melt flow rate and excellent processing attributes. It is designed for injection molded large consumer and industrial parts.

General

Availability [1]	▪ Latin America	▪ North America	
Features	▪ Good Colorability ▪ Good Dimensional Stability	▪ Good Mold Release ▪ Good Thermal Stability	▪ Medium Impact Resistance
Uses	▪ Automotive Applications	▪ Consumer Applications	▪ Household Goods
Appearance	▪ Natural Color		
Form(s)	▪ Pellets		
Processing Method	▪ Injection Molding		
Revision Date	▪ 09/01/2015		

Physical	Typical Value (English)		Typical Value (SI)		Test Based On
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	17	g/10 min	17	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)	3220	psi	22.2	MPa	
Elongation at Yield (2.0 in/min (51 mm/min))	4.6	%	4.6	%	ASTM D638
Flexural Modulus - 1% Secant					
0.051 in/min (1.3 mm/min)	179000	psi	1230	MPa	ASTM D790A
0.51 in/min (13 mm/min)	200000	psi	1380	MPa	ASTM D790B

Impact	Typical Value (English)		Typical Value (SI)		Test Based On
Notched Izod Impact [2] (73°F (23°C))	4.4	ft·lb/in	230	J/m	ASTM D256A

Thermal	Typical Value (English)		Typical Value (SI)		Test Based On
Deflection Temperature Under Load (DTUL) at 66psi - Unannealed	206	°F	96.6	°C	ASTM D648

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.

[2] Value reported is for complete breaks only.

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