

Product Datasheet

ExxonMobil™ PP7505KNE3

Polypropylene Impact Copolymer



Product Description

A medium to high impact copolymer designed for injection molded large consumer and industrial parts requiring high melt flow rate.

General

Availability ¹	▪ North America
Features	<ul style="list-style-type: none"> ▪ Balanced Stiffness/Toughness ▪ Fast Molding Cycle ▪ Good Colorability ▪ Good Mold Release ▪ Good Processability ▪ Good Surface Finish ▪ Good Thermal Stability ▪ High Flow ▪ Medium Impact Resistance
Uses	<ul style="list-style-type: none"> ▪ Automotive Applications ▪ Consumer Applications ▪ Containers ▪ Household Goods ▪ Tool/Tote Box
Appearance	▪ Natural Color
Form(s)	▪ Pellets
Processing Method	▪ Injection Molding
Revision Date	▪ 04/01/2020

Physical	Typical Value (English)	Typical Value (SI)	Test Based On
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	50 g/10 min	50 g/10 min	ASTM D1238
Density	0.900 g/cm ³	0.900 g/cm ³	ExxonMobil Method

Mechanical	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Strength at Yield 2.0 in/min (51 mm/min)	2720 psi	18.7 MPa	ASTM D638
Elongation at Yield (2.0 in/min (51 mm/min))	4.1 %	4.1 %	ASTM D638
Flexural Modulus - 1% Secant 0.051 in/min (1.3 mm/min)	163000 psi	1120 MPa	ASTM D790A
0.51 in/min (13 mm/min)	185000 psi	1280 MPa	ASTM D790B

Impact	Typical Value (English)	Typical Value (SI)	Test Based On
Notched Izod Impact 0°F (-18°C)	0.90 ft-lb/in	48 J/m	ASTM D256A
73°F (23°C)	1.9 ft-lb/in	100 J/m	
Gardner Impact -20°F (-29°C), 0.125 in (3.18 mm), Geometry GC	217 in-lb	24.5 J	ASTM D5420

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Deflection Temperature Under Load (DTUL) at 66psi - Unannealed	206 °F	96.5 °C	ASTM D648

Hardness	Typical Value (English)	Typical Value (SI)	Test Based On
Rockwell Hardness	80	80	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, HPPFB).

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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