

# 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 <sup>1</sup>	▪ North America		
Features	<ul style="list-style-type: none"> <li>▪ Balanced Stiffness/Toughness</li> <li>▪ Fast Molding Cycle</li> <li>▪ Good Colorability</li> </ul>	<ul style="list-style-type: none"> <li>▪ Good Mold Release</li> <li>▪ Good Processability</li> <li>▪ Good Surface Finish</li> </ul>	<ul style="list-style-type: none"> <li>▪ Good Thermal Stability</li> <li>▪ High Flow</li> <li>▪ Medium Impact Resistance</li> </ul>
Uses	<ul style="list-style-type: none"> <li>▪ Automotive Applications</li> <li>▪ Consumer Applications</li> </ul>	<ul style="list-style-type: none"> <li>▪ Containers</li> <li>▪ Household Goods</li> </ul>	<ul style="list-style-type: none"> <li>▪ Tool/Tote Box</li> </ul>
Appearance	▪ Natural Color		
Form(s)	▪ Pellets		
Processing Method	▪ Injection Molding		
Revision Date	▪ 03/01/2015		

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 <sup>3</sup>	0.900 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)	2960 psi	20.4 MPa	ASTM D638
Elongation at Yield (2.0 in/min (51 mm/min))	3.8 %	3.8 %	ASTM D638
Flexural Modulus - 1% Secant 0.051 in/min (1.3 mm/min)	152000 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 (73°F (23°C))	2.2 ft-lb/in	120 J/m	ASTM D256A
Gardner Impact -20°F (-29°C), 0.125 in (3.18 mm), Geometry GC	203 in-lb	22.9 J	ASTM D5420

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Deflection Temperature Under Load (DTUL) at 66psi - Unannealed	205 °F	96.2 °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.

<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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