

# Exceed™ PP7755KNE1

## Polypropylene Impact Copolymer

### Product Description

A high flow rate medium impact copolymer resin designed for thin wall injection molding requiring fast cycle time and other applications requiring high flowability.

### General

Availability <sup>1</sup>	▪ Africa & Middle East	▪ Asia Pacific	▪ Europe
Features	▪ Good Mold Release ▪ High Flow	▪ High Impact Resistance ▪ High Stiffness	▪ Low Odor ▪ Nucleated
Uses	▪ Appliance Components ▪ Automotive Applications	▪ Consumer Applications ▪ Containers	▪ Rigid Food Packaging ▪ Toys
Appearance	▪ Natural Color		
Form(s)	▪ Pellets		
Processing Method	▪ Compounding	▪ Injection Molding	
Revision Date	▪ 07/02/2025		

Physical	Typical Value (English)	Typical Value (SI)	Test Based On
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	75 g/10 min	75 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)	3550 psi	24.5 MPa	ASTM D638
Tensile Stress at Yield (73°F (23°C))	3470 psi	23.9 MPa	ISO 527-2/50
Elongation at Yield (2.0 in/min (51 mm/min))	4.5 %	4.5 %	ASTM D638
Tensile Strain at Yield	4.3 %	4.3 %	ISO 527-2/50
Flexural Modulus - 1% Secant 0.051 in/min (1.3 mm/min)	191000 psi	1320 MPa	ASTM D790A
0.51 in/min (13 mm/min)	218000 psi	1500 MPa	ASTM D790B
Flexural Modulus (0.079 in/min (2.0 mm/min))	186000 psi	1280 MPa	ISO 178

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)	1.5 ft-lb/in	80 J/m	
Notched Izod Impact Strength -40°F (-40°C)	1.6 ft-lb/in <sup>2</sup>	3.4 kJ/m <sup>2</sup>	ISO 180/1A
-4°F (-20°C)	2.2 ft-lb/in <sup>2</sup>	4.6 kJ/m <sup>2</sup>	
32°F (0°C)	2.5 ft-lb/in <sup>2</sup>	5.2 kJ/m <sup>2</sup>	
73°F (23°C)	3.4 ft-lb/in <sup>2</sup>	7.2 kJ/m <sup>2</sup>	
Charpy Notched Impact Strength -4°F (-20°C)	1.6 ft-lb/in <sup>2</sup>	3.4 kJ/m <sup>2</sup>	ISO 179/1eA
32°F (0°C)	2.4 ft-lb/in <sup>2</sup>	5.0 kJ/m <sup>2</sup>	
73°F (23°C)	3.8 ft-lb/in <sup>2</sup>	7.9 kJ/m <sup>2</sup>	
Gardner Impact -20°F (-29°C), 0.125 in (3.18 mm), Geometry GC	150 in-lb	17.0 J	ASTM D5420

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Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Heat Deflection Temperature (1.80 MPa)	124 °F	51.0 °C	ExxonMobil Method
Heat Deflection Temperature (0.45 MPa)	208 °F	98.0 °C	ExxonMobil Method
Deflection Temperature Under Load (DTUL) at 66psi - Unannealed	232 °F	111 °C	ExxonMobil Method
DTUL (66 psi) - Annealed	250 °F	121 °C	ExxonMobil Method

Hardness	Typical Value (English)	Typical Value (SI)	Test Based On
Rockwell Hardness	92	92	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.

<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.

For additional technical, sales and order assistance: [Contact Us](#)

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