

# 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

Features	<ul style="list-style-type: none"> <li>Good Colorability</li> <li>Good Dimensional Stability</li> </ul>	<ul style="list-style-type: none"> <li>Good Mold Release</li> <li>Good Thermal Stability</li> </ul>	<ul style="list-style-type: none"> <li>Medium Impact Resistance</li> </ul>
Uses	<ul style="list-style-type: none"> <li>Automotive Applications</li> </ul>	<ul style="list-style-type: none"> <li>Consumer Applications</li> </ul>	<ul style="list-style-type: none"> <li>Household Goods</li> </ul>
Appearance	<ul style="list-style-type: none"> <li>Natural Color</li> </ul>		
Form(s)	<ul style="list-style-type: none"> <li>Pellets</li> </ul>		
Processing Method	<ul style="list-style-type: none"> <li>Injection Molding</li> </ul>		

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/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			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 <sup>2</sup> (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

