

## Product Datasheet



# 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 <sup>1</sup> | ▪ Latin America                                     | ▪ North America                                                               |
| Features                  | ▪ Good Colorability<br>▪ Good Dimensional Stability | ▪ Good Mold Release<br>▪ Good Thermal Stability<br>▪ Medium Impact Resistance |
| Uses                      | ▪ Automotive Applications                           | ▪ Consumer Applications<br>▪ 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/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<br>2.0 in/min (51 mm/min)       | 3220 psi                | 22.2 MPa           | ASTM D638     |
| Elongation at Yield (2.0 in/min (51 mm/min))              | 4.6 %                   | 4.6 %              | ASTM D638     |
| Flexural Modulus - 1% Secant<br>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)<br>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.

<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.

<sup>2</sup> Value reported is for complete breaks only.

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Polypropylene Impact CopolymerFor additional technical, sales and order assistance: [www.exxonmobilchemical.com/ContactUs](http://www.exxonmobilchemical.com/ContactUs)

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