ExxonMobil™ PP7414
Polypropylene Impact Copolymer

Product Description
A medium impact strength copolymer resin designed for injection-molded automotive applications requiring medium melt flow rate.

General
- Availability: Europe, Latin America, North America
- Features: Impact Modified, Medium Flow, Medium Impact Resistance
- Uses: Automotive Applications, Consumer Applications, Compounding, Toys
- Appearance: Natural Color
- Form(s): Pellets
- Processing Method: Injection Molding
- Revision Date: 04/01/2020

Physical
- Melt Mass-Flow Rate (MFR) (230°C/2.16 kg): 20 g/10 min, 20 g/10 min (ASTM D1238)
- Density: 0.900 g/cm³, 0.900 g/cm³ (ExxonMobil Method)

Mechanical
- Tensile Strength at Yield: 3300 psi, 22.8 MPa (ASTM D638)
- Elongation at Yield (2.0 in/min (51 mm/min)): 5.8 %, 5.8 %
- Flexural Modulus: 16800 psi, 1160 MPa (ExxonMobil Method), 169000 psi, 1160 MPa (ASTM D790A), 194000 psi, 1340 MPa (ASTM D790B)

Impact
- Notched Izod Impact: 3.0 ft·lb/in, 160 J/m (ExxonMobil Method), 0°F (-18°C): 0.80 ft·lb/in, 43 J/m (ASTM D256A), 73°F (23°C): 3.1 ft·lb/in, 170 J/m (ASTM D256A), -20°F (-29°C), 0.125 in (3.18 mm), Geometry GC: 221 in·lb, 25.0 J (ASTM D5420)

Thermal
- Deflection Temperature Under Load (DTUL) at 66psi - Unannealed: 180 °F, 82.1 °C (ExxonMobil Method)

Hardness
- Rockwell Hardness: 86, 86 (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.
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.