ExxonMobil™ PP9574E6
Polypropylene Random Copolymer

Product Description
A highly clarified random copolymer resin designed for general purpose injection molding applications requiring resistance to buildup of static electricity.

General
- Availability: North America
- Features:
  - Antistatic
  - Controlled Rheology
  - Ethylene Oxide Sterilizable
  - High Clarity
- Uses:
  - Caps
  - Closures
  - Medical/Healthcare Applications
  - Packaging
  - Rigid Packaging
- Appearance: Natural Color
- Form(s): Pellets
- Processing Method: Injection Molding
- Revision Date: 11/01/2010

Physical
- Melt Mass-Flow Rate (MFR) (230°C/2.16 kg):
  - Typical Value (English): 12 g/10 min
  - Typical Value (SI): 12 g/10 min
  - Test Based On: ASTM D1238
- Density:
  - Typical Value (English): 0.900 g/cm³
  - Typical Value (SI): 0.900 g/cm³
  - Test Based On: ExxonMobil Method

Mechanical
- Tensile Strength at Yield
  - 2.0 in/min (51 mm/min):
    - Typical Value (English): 4140 psi
    - Typical Value (SI): 28.5 MPa
    - Test Based On: ASTM D638
- Elongation at Yield (2.0 in/min (51 mm/min)):
  - Typical Value (English): 13 %
  - Typical Value (SI): 13 %
  - Test Based On: ASTM D638
- Flexural Modulus - 1% Secant
  - 0.051 in/min (1.3 mm/min):
    - Typical Value (English): 144000 psi
    - Typical Value (SI): 993 MPa
    - Test Based On: ASTM D790B
  - 0.51 in/min (13 mm/min):
    - Typical Value (English): 177000 psi
    - Typical Value (SI): 1220 MPa
    - Test Based On: ASTM D790A
- Notched Izod Impact (73°F (23°C)):
  - Typical Value (English): 1.6 ft·lb/in
  - Typical Value (SI): 88 J/m
  - Test Based On: ASTM D256A

Impact
- Deflection Temperature Under Load (DTUL) at 66psi - Unannealed:
  - Typical Value (English): 169°F
  - Typical Value (SI): 76.2°C
  - Test Based On: ASTM D648

Hardness
- Rockwell Hardness:
  - Typical Value (English): 84
  - Typical Value (SI): 84
  - Test Based On: ASTM D785

Legal Statement
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.
2 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.