

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

Features	- Antistatic - Controlled Rheology	- Ethylene Oxide Sterilizable - High Clarity
Uses	- Caps - Closures	- Medical/Healthcare Applications ² - Packaging - Rigid Packaging
Appearance	Natural Color	
Form(s)	Pellets	
Processing Method	Injection Molding	

Physical	Typical Value (English)	Typical Value (SI)	Test Based On
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12 g/10 min	12 g/10 min	ASTM D1238
Density	0.900 g/cm ³	0.900 g/cm ³	ExxonMobil Method

Mechanical	Typical Value (English)	Typical Value (SI)	Test Based On
Tensile Strength at Yield 2.0 in/min (51 mm/min)	4140 psi	28.5 MPa	ASTM D638
Elongation at Yield (2.0 in/min (51 mm/min))	13 %	13 %	ASTM D638
Flexural Modulus - 1% Secant 0.051 in/min (1.3 mm/min)	144000 psi	993 MPa	ASTM D790A
0.51 in/min (13 mm/min)	177000 psi	1220 MPa	ASTM D790B

Impact	Typical Value (English)	Typical Value (SI)	Test Based On
Notched Izod Impact (73°F (23°C))	1.6 ft-lb/in	88 J/m	ASTM D256A

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

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

