

Product Datasheet



ExxonMobil™ PP6272NE1

Polypropylene Homopolymer

Product Description

A nucleated homopolymer resin designed for production of extruded sheet and thermoformed containers. It exhibits excellent processing characteristics even in deep drawn applications.

General

Availability ¹	▪ North America		
Features	▪ Autoclave Sterilizable ▪ Ethylene Oxide Sterilizable ▪ Good Melt Strength	▪ Good Processability ▪ Low Emissions ▪ Steam Sterilizable	▪ Wide Molecular Weight Distribution
Uses	▪ Cups	▪ Packaging	▪ Rigid Packaging
Appearance	▪ Natural Color		
Form(s)	▪ Pellets		
Processing Method	▪ Extrusion	▪ Sheet Extrusion	▪ Thermoforming
Revision Date	▪ 11/01/2015		

Physical	Typical Value (English)	Typical Value (SI)	Test Based On
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.8 g/10 min	2.8 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			ASTM D638
2.0 in/min (51 mm/min)	5390 psi	37.2 MPa	
Elongation at Yield (2.0 in/min (51 mm/min))	8.7 %	8.7 %	ASTM D638
Flexural Modulus - 1% Secant			
0.051 in/min (1.3 mm/min)	246000 psi	1700 MPa	ASTM D790A
0.51 in/min (13 mm/min)	286000 psi	1970 MPa	ASTM D790B

Impact	Typical Value (English)	Typical Value (SI)	Test Based On
Notched Izod Impact (73°F (23°C))	1.2 ft-lb/in	64 J/m	ASTM D256A

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Deflection Temperature Under Load (DTUL) at 66psi - Unannealed	230 °F	110 °C	ASTM D648

Optical	Typical Value (English)	Typical Value (SI)	Test Based On
Haze ²	27.0 %	27.0 %	ASTM D1003

Legal Statement

Contact your ExxonMobil Chemical Customer Service Representative for potential food contact application compliance (e.g. FDA, EU, HPFB).

Product may not be available in one or more countries in the identified Availability regions. Please contact your Sales Representative for complete Country Availability.

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.

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² Measured on 40 mil (1mm) injection molded plaques.

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