

ExxonMobil™ PP6262

Polypropylene Homopolymer

Product Description

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

General

Features	- Autoclave Sterilizable - Ethylene Oxide Sterilizable	- Low Emissions - Steam Sterilizable	
Uses	Cups	Packaging	Rigid Packaging
Appearance	Natural Color		
Form(s)	Pellets		
Processing Method	- Blow Molding - Extrusion - Extrusion Blow Molding	- Injection Blow Molding - Profile Extrusion - Sheet Extrusion	Thermoforming

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 2.0 in/min (51 mm/min)	5550 psi	38.3 MPa	ASTM D638
Elongation at Yield (2.0 in/min (51 mm/min))	8.5 %	8.5 %	ASTM D638
Flexural Modulus - 1% Secant 0.051 in/min (1.3 mm/min)	258000 psi	1780 MPa	ASTM D790A
0.51 in/min (13 mm/min)	297000 psi	2050 MPa	ASTM D790B

Impact	Typical Value (English)	Typical Value (SI)	Test Based On
Notched Izod Impact (73°F (23°C))	0.78 ft-lb/in	42 J/m	ASTM D256A

Thermal	Typical Value (English)	Typical Value (SI)	Test Based On
Deflection Temperature Under Load (DTUL) at 66psi - Unannealed	226 °F	108 °C	ASTM D648

Optical	Typical Value (English)	Typical Value (SI)	Test Based On
Haze ²	17.5 %	17.5 %	ASTM D1003

Hardness	Typical Value (English)	Typical Value (SI)	Test Based On
Rockwell Hardness	112	112	ASTM D785

