



TotalEnergies

TotalEnergies Petrochemicals & Refining USA, Inc.
Polymers Americas

Polypropylene 6232

Technical Data Sheet
Polypropylene – Random Copolymer
Produced in the United States

Description

Polypropylene 6232 offers good impact strength, clarity, and gloss.

Chemical Inertness: 6232 has been formulated specifically for medical applications requiring low level extractables and low odor.

High Purity: 6232 provides optimum thermal stability for superior color and processability.

FDA: 6232 complies with all applicable FDA regulations and may be used under these provisions for food contact and packaging.

Recommended Applications: 6232 is ideal for extrusion blow molding for medical, food and other containers requiring low extractables.

Processing: 6232 resin processes on conventional blow molding equipment with typical melt temperatures of 390°F-450°F (199°C-232°C).

Characteristics

	Method	Unit	Typical Value
Rheological Properties			
Melt Flow	D-1238 Condition "L"	g/10 min	2
Mechanical Properties			
Tensile	D-638	psi (MPa)	3,800 (26)
Elongation	D-638	%	14
Tensile Modulus	D-638	psi (MPa)	140,000 (965)
Flexural Modulus	D-790	psi (MPa)	150,000 (1,035)
Izod Impact Notched @ 73°F	ASTM D-256A	ft.-lbs/in. (J/m)	1.2 (64)
Mold Shrinkage	D-955	in./in.	0.010-0.025
Thermal Properties⁽¹⁾⁽²⁾			
Melting Point	DSC	°F (°C)	297 (147)
Other Physical Properties			
Density	D-1505	g/cc	0.900
MVTR @ 100°F, 90% RH	F-1249	g/mil/100 in. ² /24 hrs	0.6
Oxygen Transmission @ 73°F	D-1434	cc/100 in ² mil/24 hrs./atm.	240

(1) Data developed under laboratory conditions and are not to be used as specification, maxima or minima.
(2) MP determined with a DSC-2 Differential Scanning Calorimeter. Test procedure available upon request.

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TOTALENERGIES PETROCHEMICALS & REFINING USA, INC.
POLYMERS AMERICAS
1201 Louisiana Street
Suite 1800
Houston, TX 77002
www.polymers.totalenergies.com

TECHNICAL CENTER
P.O. Box 1200
Deer Park, Texas 77536
Phone: 281-884-7500

1-800-344-3462

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Polypropylene