Polypropylene 7232

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

TotalEnergies

TotalEnergies Petrochemicals & Refining USA, Inc.
Polymers Americas

Description

Polypropylene 7232 offers excellent impact strength, clarity and gloss. The outstanding parison strength of 7232 allows for large container sizes and higher blow up ratios.

High Purity: 7232 features minimum taste and odor and optimum thermal stability for superior color and processability.

FDA: 7232 complies with all applicable FDA regulations and may be used under these provisions for food contact and packaging.

Recommended Applications: 7232 is ideal for both injection and extrusion blow molded containers for food, drug, cosmetic and toiletry applications requiring superior impact, strength and clarity.

Processing: 7232 resin processes on conventional blow molding equipment with typical melt temperatures of 390˚F-450˚F (177˚C-232˚C).

Characteristics

	Method	Unit	Typical Value
Rheological Properties			
Melt Flow	D-1238 Condition "L"	g/10 min	1.5
Mechanical Properties			
Tensile	D-638	psi (MPa)	3,400 (23)
Elongation	D-638	%	11
Tensile Modulus	D-638	psi (MPa)	120,000 (827)
Flexural Modulus	D-790	psi (MPa)	100,000 (689)
Izod Impact Notched @ 73˚F	D-256A	ft.lb./in. (J/m)	1.4 (75)
Mold Shrinkage	D-955	in./in.	0.010-0.025
Thermal Properties(1)(2)			
Melting Point	DSC	˚F (˚C)	289 (143)
Heat Deflection @ 66 Psi @ 4.64 kg/cm^2	D-648	 ˚F ˚C	 180 82
Barrier Properties(1)			
Moisture Vapor Transmission @ 100˚F	E-96	90% R.H.gms/mil/100 in.^{2} mil/24 hrs.	0.6
Oxygen Transmission @ 73˚F	D-1434	cc/100 in2.mil/24 hrs./atm	240
Other Physical Properties			
Density	D-1505	g/cc	0.900

(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.

Rev: Sept 2021

Polypropylene

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