

Pakro Kimya Dış Ticaret A.Ş.

İstoç Ticaret Merkezi Aktem Plaza Kat:5 Daire:33 Bağcılar/İstanbul

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	D-648	۰F	180
@ 4.64 kg/cm ²		°C	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
 Data developed under laboratory conditions and are not to be used MP determined with a DSC-2 Differential Scanning Calorimeter. T 			Rev: Sept 2021

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

All tests were run under laboratory conditions. ASTM (where applicable) testing procedures. The data are intended as a general guide only and do not necessarily represent results that may be obtained elsewhere. The use of TotalEnergies products must be guided by the users own methods for selection of proper formulation. TotalEnergies Betrochemicals & Refining USA Inc. disclaims any responsibility for misuse or misapplication of its products. TotalEnergies MAKES NO WARRANTY THAT GOODS SUPPLIED SHALL BE FIT FOR ANY PARTICULAR PURPOSE. TotalEnergies inalEnergies inalAtter every liable and the users of a selection of proper formulation of a proper formulation of a specific total energies inalAtter every every eve