



**TotalEnergies**

TotalEnergies Petrochemicals & Refining USA, Inc.

Polymers Americas

### Description

**Polypropylene 7235** offers excellent impact strength, clarity and gloss. The outstanding parison strength of 7235 allows for large container sizes and higher blow up ratios.

**High Purity:** 7235 features minimum taste and odor and optimum thermal stability for superior color and processability.

**FDA:** 7235 complies with all applicable FDA regulations and may be used under these provisions for food contact and packaging.

**Recommended Applications:** 7235 is ideal for both injection and extrusion blow molded containers for food, drug, cosmetic and toiletry applications requiring superior impact, strength and clarity.

**Processing:** 7235 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
<b>Rheological Properties</b>			
Melt Flow	D-1238 Condition "L"	g/10 min	1.5
<b>Mechanical Properties</b>			
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 @ 73°F Notched	D-256A	ft.lb./in. (J/m)	1.4 (74)
Mold Shrinkage	D-955	In./in.	0.010-0.025
<b>Thermal Properties<sup>(1)(2)</sup></b>			
Melting Point, °F	DSC	°F (°C)	289 (143)
Heat Deflection @ 66 Psi	D-648	°F	190
@ 4.64 kg/cm <sup>2</sup>		°C	88
<b>Barrier Properties<sup>(1)</sup></b>			
Moisture Vapor Transmission @ 100°F	E-96	90% R.H.gms/mil/100 in. <sup>2</sup> mil/24 hrs.	0.6
Oxygen Transmission @73°F	D-1434	cc/100 in <sup>2</sup> mil/24 hrs./atm	240
<b>Other Physical Properties</b>			
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.

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Polypropylene