



TotalEnergies

TotalEnergies Petrochemicals & Refining USA, Inc.  
Polymers Americas

Technical Data Sheet  
Polypropylene – Homopolymer  
Produced in the United States

## Description

**Polypropylene 3273** utilizes proprietary process technology to provide low residuals for improved film stiffness and barrier properties.

**FDA:** 3273 complies with applicable FDA regulations for use in food contact applications. FDA statement available upon request.

**Applications:** 3273 is recommended in orientation processes for manufacture of packaging tapes and films.

**Processing:** 3273 resin processes on oriented film extrusion equipment with typical melt temperatures of 450°F-525°F (232°C-274°C).

## Characteristics

	Method	Unit	Typical Value
<b>Rheological Properties</b>			
Melt Flow	D-1238	g/10 min	2.0
<b>Mechanical Properties</b>			
Flexural Modulus	D-790	psi (MPa)	245,000 (1,690)
Tensile Strength (Yield)	D-638	psi (MPa)	5,100 (35)
Tensile Elongation (Yield)	D-638	%	7
Izod (73°F, Notched)	D-256A	ft*lb/in	0.7
Rockwell Hardness (R-Scale)	D-785		98
<b>Thermal Properties<sup>(1)</sup></b>			
Heat Deflection Temperature @ 66 psi	D-648	°F (°C)	203 (95)
<b>Other Physical Properties</b>			
Density	D-1505	g/cc	0.905

(1) Data developed under laboratory conditions and are not to be used as specification, maxima or minima.