



TotalEnergies

TotalEnergies Petrochemicals & Refining USA, Inc.
Polymers Americas

+135-3858-6433 (GuangDong)
+188-1699-6168 (ShangHai)
+852-6957-5415 (HongKong)

Polypropylene 3270

Technical Data Sheet
Polypropylene – Homopolymer
Produced in the United States

Description

Polypropylene 3270 utilizes proprietary process technology to provide extremely low residuals for exceptional stiffness and barrier properties.

FDA: 3270 complies with applicable FDA regulations for use in food contact applications. FDA statement available upon request.

Applications: 3270 is recommended in orientation processes for manufacture of packaging tapes and films that benefit from improved stiffness and barrier properties.

Processing: 3270 processes on oriented film extrusion equipment with typical melt temperatures of 450°F-525°F (232°C-274°C).

Characteristics

	Method	Unit	Typical Value
Rheological Properties			
Melt Flow	D-1238	g/10 min	2.0
Mechanical Properties			
Flexural Modulus	D-790	psi (MPa)	272,000 (1,880)
Tensile Strength (Yield)	D-638	psi (MPa)	5,200 (36)
Tensile Elongation (Yield)	D-638	%	5
Izod (73°F, Notched)	D-256A	ft*lb/in	0.7
Rockwell Hardness (R-Scale)	D-785		97
Thermal Properties⁽¹⁾			
Heat Deflection Temperature @ 66 psi	D-648	°F (°C)	212 (100)
Other Physical Properties			
Density	D-1505	g/cc	0.905

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

Polypropylene