Polypropylene 3270

Technical Data Sheet
Homopolymer – High Crystallinity, Low Melt Flow Film Grade

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 (232ºC-274ºC).

Characteristics

	Method	Unit	Typical Value
Rheological Properties			
Melt Flow	D-1238	g/10 min	2.0
Film Properties, Oriented (1)(3)			
Haze	D-1003	%	1.0
Gloss, 45º	D-2457	%	85
Ultimate Tensile	D-882	psi MD (psi TD)	28,000 (39,000)
Elongation	D-882	% MD (TD)	150 (60)
Tensile Modulus	D-882	Psi MD (psi TD)	420,000 (700,000)
WVTR	F-1249-90	g/100 in^2/24 hrs/mil @ 100°F, 90% RH	0.2
Thermal Properties(1)			
Melting Point	DSC(2)	°F (°C)	329 (165)
Other Physical Properties			
Density	D-1505	g/cc	0.91

(1) Data developed under laboratory conditions and are not to be used as specification, maxima or minima.
(2) MP determined with a Differential Scanning Calorimeter. Test procedure available upon request.
(3) Tenter-frame oriented film.

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