

Description

Polypropylene M8670 is produced with Total Petrochemicals and Refining proprietary metallocene catalyst technology. It offers exceptional optical performance and low residual content compared to standard isotactic polypropylene.

Heat Sealable: M8670 produces films with excellent heat seal performance and outstanding optical properties.

Recommended Applications:

M8670 is designed for use as a surface and heat sealable layer in the production of coextruded films, biaxially oriented or cast, due to its excellent optics, very low extractables and good sealant properties.

Processing:

M8670 is a narrower molecular weight distribution product than conventional propylene copolymers. M8670 processes well on film extrusion equipment with typical melt temperatures of 390-450°F (199-232°C)

Characteristics

	Method	Unit	Typical Value
Rheological Properties			
Melt Flow	D-1238	g/10 min	12
Film Properties, Non Oriented⁽¹⁾			
Ultimate Tensile	D-882	psi	4,500
Elongation at Break	D-882	%	700
1% Secant Modulus	D-882	psi	80,000
Haze	D-1003	%	0.2
Gloss, 45°	D-2457	%	70
Heat Seal Temperature	SIT ⁽³⁾	°F (°C)	239 (115)
Thermal Properties			
Melting Point	DSC ⁽²⁾	°F (°C)	271 (133)
Other Physical Properties			
Density	D-1505	g/cc	0.90

- (1) 2 mil (50 µm) film. 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.
 (3) Minimum seal strength is 200 g/inch at 60 psi pressure and 1 sec.

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