

TotalEnergies Petrochemicals & Refining USA, Inc.  
 Polymers Americas

### Description

**Polypropylene 8573** is a low melting, high ethylene random copolymer with improved color, optics and impact properties.

**Heat Sealable:** The low melting point of 8573 makes it a very good heat seal layer for oriented films.

**Slip/Antiblock:** 8573 is available with custom slip and antiblock packages.

**Regulatory:** 8573 has passed USP Class VI testing, and all ingredients meet the chemical registration requirements of TSCA (U.S.) and DSL (Canada). 8573 complies with all applicable FDA regulations for food contact applications.

**Applications.** 8573 is recommended for use in non-oriented cast film processes for manufacture of packaging films that require improved optical and impact properties and as a heat seal layer for oriented films.

**Processing.** 8573 resin processes on film extrusion equipment with typical melt temperatures of 390°F-450°F (199°C-232°C).

### Characteristics

	Method	Unit	Typical Value
<b>Rheological Properties</b>			
Melt Flow	D-1238	g/10 min	6.8
<b>Film Properties, Non-Oriented</b>			
Flexural Modulus	D-790	psi (MPa)	- (-)
Tensile Modulus	D-638	psi (MPa)	- (-)
Tensile Strength (Yield)	D-638	psi (MPa)	- (-)
Tensile Elongation (Yield)	D-638	%	-
Izod (73°F, Notched)	D-256A	ft*lb/in	-
Izod (73°F, Unnotched)			-
Haze, 0.04" plaques	D-1003	%	-
<b>Thermal Properties<sup>(1)(2)</sup></b>			
Melting Point	DSC	°F (°C)	275 (135)
Heat Deflection Temperature @ 66 psi	D-648	°F (°C)	- (-)
<b>Other Physical Properties</b>			
Density	D-1505	g/cc	0.895

(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.