Polypropylene 8573

Technical Data Sheet
Polypropylene – Random Copolymer
Produced in the United States

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
Rheological Properties			
Melt Flow	D-1238	g/10 min	6.8
Film Properties, Non-Oriented			
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) Izod (73°F, Unnotched)	D-256A	ft*lb/in	- -
Haze, 0.04” plaques	D-1003	%	-
Thermal Properties[1][2]			
Melting Point	DSC	°F (°C)	275 (135)
Heat Deflection Temperature @ 66 psi	D-648	°F (°C)	- (-)
Other Physical Properties			
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.

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All tests were run under laboratory conditions. ASTM (where applicable) testing procedures. The data are intended as a general guide only and do not necessarily represent results that may be obtained elsewhere. The use of TotalEnergies products must be guided by the users own methods for selection of proper formulation. TotalEnergies Petrochemicals & Refining USA Inc. disclaims any responsibility for misuse or misapplication of its products. TotalEnergies MAKES NO WARRANTY OF MERCHANTABILITY AND THERE IS NO WARRANTY THAT GOODS SUPPLIED SHALL BE FIT FOR ANY PARTICULAR PURPOSE. TotalEnergies' liability and customer's exclusive remedy for any claims arising out of sales of its products are expressly limited at customer option to replacement of non-performing goods or payment not to exceed the purchase price plus transportation charges thereon in respect to any material which damage is claimed.