Polypropylene 8473

TotalEnergies

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

TotalEnergies Petrochemicals & Refining USA, Inc. Polymers Americas

Description

Polypropylene 8473 is a low melting, high ethylene random copolymer with improved color, optics and impact properties.

Heat Sealable: The very low melting point of 8473 makes it an excellent heat seal layer for oriented films.

FDA: 8473 complies with all applicable FDA regulations Title 21 CFR Section 177.1520(c) 3.1 and may be used under these provisions for food contact and packaging.

Recommended Applications: 8473 is recommended for use in non-oriented film processes for manufacture of packaging films that require improved optical and impact properties and as a heat seal layer for oriented films.

Processing: 8473 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	4.6
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)	273 (134)
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.