



TotalEnergies

TotalEnergies Petrochemicals & Refining USA, Inc.
Polymers Americas

Polypropylene 6573XHC

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

Description

Polypropylene 6573XHC has low catalyst residuals that results in improved color stability.

Clarity/Impact: The random copolymer structure of 6573XHC improves its clarity and impact resistance over conventional homopolymer films.

FDA: 6573XHC complies with all applicable FDA regulations for food contact applications.

Applications: 6573XHC is recommended for use in manufacture of packaging films that require improved optical and impact properties.

Processing. 6573XHC resin processes with typical melt temperatures of 450°F-525°F (232°C-274°C).

Made to Order Grade: Two railcar minimum order; take or pay agreement required; 90-day minimum lead time

Characteristics

	Method	Unit	Typical Value
Rheological Properties			
Melt Flow	D-1238	g/10 min	8.0
Film Properties, Non-Oriented⁽¹⁾			
Haze	D-1003	%	2
Gloss, 45°	D-2457	%	75
Ultimate Tensile	D-882	psi (MPa)	7,000 (48)
1% Secant Modulus	D-882	psi (MPa)	100,000 (689)
Elongation at Break	D-882	%	500
WVTR @ 100°F, 90% RH	F-1249	g/100 sq-in/24 hrs/mil	0.7
Dart Impact (F50)	D-1709	g/mil	35
Thermal Properties⁽¹⁾⁽²⁾			
Melting Point	DSC	°F (°C)	298 (148)
Other Physical Properties			
Density	D-1505	g/cm	0.90

(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.

Polypropylene

