

TotalEnergies Petrochemicals & Refining USA, Inc.
Polymers Americas

Description

Polypropylene Z9450 is a low melting, high ethylene random copolymer with improved color, optics and impact properties.

Heat Sealable: The very low melting point of Z9450 makes it an excellent heat seal layer for oriented films.

FDA: Z9450 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.

Recommended Applications: Z9450 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: Z9450 resin processes on film extrusion equipment with typical melt temperatures of 380°F-440°F (193°C-227°C).

Characteristics

	Method	Unit	Typical Value
Rheological Properties			
Melt Flow	D-1238	g/10 min	5
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)	D-256A	ft*lb/in	-
Izod (73°F, Unnotched)			-
Haze, 0.04" plaques	D-1003	%	-
Thermal Properties⁽¹⁾⁽²⁾			
Melting Point	DSC	°F (°C)	264 (129)
Heat Deflection Temperature @ 66 psi	D-648	°F (°C)	- (-)
Other Physical Properties			
Density	D-1505	g/cc	0.89

(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.