

Quimtec LD02GP

The LD02GP is a series of homopolymer resins that combine premium clarity with strength and stiffness. In addition, LD02GP exhibits good impact strength on both flat and creased film. LD02GP is recommended for textile packaging, light produce, bread bags and other thin packaging films enhanced by clarity and sparkle.

The optical values of LD02GP actually improve with decreases in film gauge and are maintained at wide die gap settings. This fact leads to important cost savings. Film can be drawn to a minimum gauge with required physical properties, with the assurance that optical properties will not suffer, but improve. With wider die gaps back pressures are reduced, as are extrusion costs.

<i>Properties</i>	<i>Value</i>	<i>Units</i>	<i>ASTM Test Method</i>
Melt Index	1.8	g/10 min	D 1238
Density	0.921	g/cc	D 1505
Vicat Softening Point	100	°C	D 1525
<i>Film¹</i>			
Haze	5.0	%	D 1003
Gloss, 45°	70	units	D 2457
Dart Drop Impact Strength, F ₅₀	90	g	D 1709
Tensile Strength @ Yield, TD	1,600	psi	D 882
Tensile Strength @ break, MD (TD)	4,000 (3,400)		
Elongation, MD (TD)	300 (500)	%	D 882
1% Secant Modulus, MD (TD)	26,000 (30,000)	psi	D 882
Elmendorf tear Strength, MD (TD)	360 (200)	g	D 1922
Slip	Medium		
Antiblock	Medium		

¹ Data obtained from film produced in a 3 ½" (89 mm) blown film line, commercially available 8" (203 mm) die, 375 °F (191 °C) melt extrusion temperature 2:1 BUR, 1.25 mil (32 micron) gauge, 0.025" die gap at 130 lb/hr

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