

Quimtec LG221

LG221 is a series of homopolymer resins for general purpose blown film. Applications include stiff liners.

LG221 exhibits good processability and clarity.

<i>Properties</i>	<i>Value</i>	<i>Units</i>	<i>ASTM Test Method</i>
Melt Index	2.0	g/10 min	D 1238
Density	0.921	g/cm ³	D 1505
Vicat Softening Point	93	°C	D 1525
<i>Film*</i>			
Haze	6.0	%	D 1003
Gloss, 45°	70		D 2457
Tensile Strength, MD (TD)	3,400 (2,500)	psi	D 882
Elongation, MD (TD)	300 (500)	%	D 882
Dart Drop Impact Strength, F ₅₀	90	g	D 1709
1% Secant Modulus, MD (TD)	28,000 (32,000)	psi	D 882
Elmendorf tear Strength, MD (TD)	380 (200)	g	D 1922
<i>Molding</i>			
Tensile Strength**	1,720	psi	D 638
Elongation @ Break	650	%	D 638
Slip	Medium		
Antiblock	Medium		

* Data obtained from film produced in a 3½" (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.

** Data derived from Type IV specimen, 75 mil plaque, @ 20" min.

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