



Tabriz Petrochemical Company

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**LL 0209 KJ
Liner Low Density polyethylene**

- Product Description

- LL0209KJ are linear low density polyethylene copolymers containing butane-1 as the comonomer. In lean blends, this resin offer greater drawdown compared to LDPE neat and produced Films are tough with better tear resistance, high tensile stress and good hot-tack properties. LL0209KJ offers high slip film with easy opening properties when used pure in thickness rang 35-100µm. Addition of other polymers or use other thickness may alter film slip and anti-block performance.

- Typical data

Property	Test Method	Unit	Typical Value
Physical Properties			
MFI(190°C/ 2.16Kg)	ASTM D 1238	gr/10Min	0.9
MFI(190°C / 21.6Kg)			29.0
Density	ASTM D 1505	gr/cm ³	0.920
Optical Properties			
Haze	ASTM D 1003	%	12
Gloss(45°)	ASTM D 2457	%	50
Formulation			
Anti Oxidant			√
Anti Block			√
Slip Agent			√
Mechanical Properties			
Dart Drop Impact	ASTM D 1709(A)	g	140
Tear Strength MD/TD	ASTM D 1922	gr/25µm	145/370
Tensile Strength at yield MD/TD	ASTM D 882	MPa	10/11
Tensile Strength at Break MD/TD	ASTM D 882	MPa	41/32
Elongation at Break MD/TD	ASTM D 882	%	620/840
Secant Modulus MD/TD	ASTM D 882	MPa	195/205
Puncture Resistance	BPC	N.Cm	800
Coefficient of friction	ASTM D1894		0.13
Thermal Properties			
Vicat Softening Temperature	ASTM D 1525	°C	100

* 38µ , 2.5:1 blow-up ratio, 225°C melt temperature.
The above data are typical laboratory average. They are intended to serve as guide only.