

Linear Low Density Polyethylene

LL0220 KJ

Description:

LL0220KJ 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.

LL0220KJ 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 antiblock performance.

Properties	Test Method	Unit	Value
Melt Flow Rate (190°C-2.16KG)	ASTM D 1238	g/10min	2.3
Melt Flow Rate (190°C-21.6KG)	ASTM D 1238	g/10min	-
Density	ASTM D 1505	g/cm ³	0.920
Haze	ASTM D 1003	%	12
Gloss(45°)	ASTM D 2457	%	30
Anti Oxidant			√
Anti Block			√
Slip Agent			√
Dart Drop Impact	ASTM D 1709(A)	g	90
Tear Strength MD/TD	ASTM D 1922	gr/25µm	100/300
Tensile Strength at yield MD/TD	ASTM D 882	MPa	10/11
Tensile Strength at Break MD/TD	ASTM D 882	MPa	30/25
Elongation at Break MD/TD	ASTM D 882	%	1000/1100
Secant Modulus MD/TD	ASTM D 882	MPa	80/100
Coefficient of friction	ASTM D1894	-	0.13
Vicat Softening Temperature	ASTM D 1525	°C	100
Melting Point	BPC	°C	123

Applications:

Shipping sacks ,carrier and garbage bags, consumer packaging, high clarity film if blended with LDPE. In lean blend to producing FFS and agricultural film.

Processing Conditions:

LL0220kj in lean blends can be processed on most standard extrusion equipment and optimization of conditions may be necessary, depending on the exact blend used. LL0220KJ rich film formulations are often processed on modified LDPE machinery, but for the best performance the use of purposely designed LLDPE machinery is recommended. Particular attention should be paid to maintaining a low melt temperature(<240°C), and bubble cooling system should be employed. The recommended melt temperature range is 180-225°C.

Producer: Tabriz Petrochemical Company