Technical Data Sheet

LL0220KJ

Linear Low Density Polyethylene (LLDPE)

Product Description

LL0220KJ are linear low density polyethylene copolymers containing butane-1 as the co-monomer. 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.

Application

- Shipping sacks
- Carrier and garbage bags
- Consumer packaging
- High clarity film if blended with LDPE
- In lean blend to producing FFS and agricultural film

PROPERTY	UNIT	TYPICAL VALUE	TEST METHOD
MFI(190°C /2.16KG)	gr/10Min	2.3	ASTM D 1238
MFI(190°C /21.6KG)		-	
DENSITY	gr/cm³	0.920	ASTM D 1505
HAZE	%	12	ASTM D 1003
GLOSS(45°)	%	30	ASTM D 2457
ANTI OXIDANT		√	
ANTI BLOCK		√	
SLIP AGENT		√	
DART DROP IMPACT	g	90	ASTM D 1709(A)
TEAR STRENGTH MD/TD	gr/25µm	100/300	ASTM D 1922
TENSILE STRENGTH AT YIELD MD/TD	MPa	10/11	ASTM D 882
TENSILE STRENGTH AT BREAK MD/TD	MPa	30/25	ASTM D 882
ELONGATION AT BREAK MD/TD	%	1000/1100	ASTM D 882
SECANT MODULUS MD/TD	MPa	80/100	ASTM D 882
COEFFICIENT OF FRICTION	-	0.13	ASTM D1894
VICAT SOFTENING TEMPERATURE	°C	100	ASTM D 1525
MELTING POINT	°C	123	BPC

38µ, 2.5:1 blow-up ratio, 225°C melt temperature.

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.

Producer: Tabriz Petrochemical Co.
Licensor: BP
Packing: 25 Kg plastic bag

Lilla Bommen 6
411 04 Gothenburg
Sweden

www.petroreyden.se

Phone: +46 728760215
Fax: +46 31 3088645
Email: sales@petroreyden.se