



TYPICAL DATA SHEET*

LINEAR LOW DENSITY POLYETHYLENE

LL0220KJ

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LL0220KJ is linear low density polyethylene copolymer containing butene-1(C4) as co monomer with based on INEOS's gas phase technology. It is suitable for blending with conventional LDPE for blown film applications.

Features: slip and anti-block effect on film .film made from pure LL0220KJ have the following advantages over LDPE: good balance of mechanical properties, good optical properties and easy opening properties in 2-layer film. This grade has food contact approval.

Processing Method: extrusion (blown film)

Application: light and medium duty films with good optical properties.

Description

PROPERTY	UNIT	TEST METHOD	TYPICAL VALUE
MELT FLOW INDEX (190°C 2.16KG) MFR (UNDER LOAD 21.6KG/2.16KG)	g/10min	ASTM D-1238	2.4 29-30
DENSITY	gr/cm ³	ASTM D-1505	0.921
VICAT SOFTENING POINT (50°C/hr 1kg)	°c	ASTM D-1525	100
FILM**			
DART DROP IMPACT	METHOD A	gr	90
TENSILE STRESS AT YEILD	MD/TD	MPa	10/11
TENSILE STRESS AT BREAK	MD/TD	MPa	30/25
ELMENDORF TEAR STRENGTH	MD/TD	gr/25μ	100/300
1%SECANT MODULUS	MD/TD	MPa	80/100
ELONGATION AT YEILD	MD/TD	%	10/8
ELONGATION AT BREAK	MD/TD	%	1000/1100
WHITENESS INDEX	-	-	50
HAZE	-	%	11
GLOSS (45°)	-	-	30

*All above mentioned data are typical values and not to be construed as real specifications. Users should confirm results by their own tests. For more information about guaranteed items, please refer to S.S.S. (Standard Sales Specifications)

**38μm blown film with blow up ratio 2:1,225°C melt temperature. MD: Machine Direction, TD: Transverse Direction

Grade Suffix (Additives Indication) KJ: GENERAL ANTIOXIDANT WITH SLIP AGENT/ANTIBLOCKING AGENTS