



## TYPICAL DATA SHEET\*

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### LINEAR LOW DENSITY POLYETHYLENE

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LL0220AA

IRAN/TABRIZ/TABRIZPETROCHEMICAL  
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LL0220AA 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 cast film applications.

**Features:** films made from pure LL0220AA have the following advantages over LDPE: good balance of mechanical properties and good optical properties. This grade has food contact approval.

**Processing Method:** extrusion (cast film)

**Application:** light and medium duty films, stretch film

### Description

PROPERTY	UNIT	TEST METHOD	TYPICAL VALUE
MELT FLOW INDEX (190°C 2.16KG)	g/10min	ASTM D-1238	2.4
MFR (UNDER LOAD 21.6KG/2.16KG)			29-30
DENSITY	gr/cm <sup>3</sup>	ASTM D-1505	0.921
VICAT SOFTENING POINT ( 50°C/hr 1kg)	°c	ASTM D-1525	100
<b>FILM**</b>			
DART DROP IMPACT	METHODA	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	-	ASTM E-313	50
HAZE	-	ASTM D-1003	10
GLOSS (45°)	-	ASTM D-2457	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) AA: GENERAL ANTIOXIDANT