



TYPICAL DATA SHEET*	ISSUE DATE	OCT 2024
LINEAR LOW DENSITY POLYETHYLENE	www.tpco.ir	
LL0220AA	IRAN/TABRIZ/TABRIZPETROCHEMICAL COMPANY/P.O.BOX:51745-354/TEL:+984134282612	

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 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	ASTM D-1709	90
TENSILE STRESS AT YEILD	MD/TD	MPa	ASTM D-882	10/11
TENSILE STRESS AT BREAK	MD/TD	MPa	ASTM D-882	30/25
ELMENDORF TEAR STRENGTH	MD/TD	gr/25μ	ASTM D1922	100/300
1%SECANT MODULUS	MD/TD	MPa	ASTM D-882	80/100
ELONGATION AT YEILD	MD/TD	%	ASTM D-882	10/8
ELONGATION AT BREAK	MD/TD	%	ASTM D-882	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