

	TYPICAL DATA SHEET*	ISSUE DATE	Feb-2022
	POLYETHYLENE	WWW.TPCO.IR	
	LL0220AA	IRAN/TABRIZ/TABRIZ PETROCHEMICAL COMPANY/P.O.BOX:51745-354/TEL: +984134282612	

LL0220AA is linear low density polyethylene copolymer containing butene-1(C4) as co monomer. It is suitable for blending with conventional LDPE for casting film applications and blown film for light duty film applications. Film made from pure LL0220AA has the following advantages over LDPE: good balance of mechanical properties, good optical properties. This grade has food contact approval.

Applications: light and medium duty films, stretch film

PROPERTY		UNIT	TEST METHOD	TYPICAL VALUE
MELT FLOW INDEX (190°C 2.16KG)		g/10mi	ASTM D-1238	2.4
MFR (UNDER LOAD 21.6KG/2.16KG)		n		29-30
DENSITY		gr/cm3	ASTM D-1505	0.921
VICAT SOFTENING POINT		°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
TEAR STRENGTH	MD/TD	gr/25μ	ASTM D1922	100/300
1%SECANT MODULUS	MD/TD	MPA	ISO 1184	80/100
ELONGATION AT BREAK	MD/TD	%	ASTM D-882	1000/1100
WHITENESS INDEX	-	%	ASTM E-313	50
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