

	TYPICAL DATA SHEET*	ISSUE DATE	Feb-2022
	POLYETHYLENE	WWW.TPCO.IR	
	LL0209AA	IRAN/TABRIZ/TABRIZ PETROCHEMICAL COMPANY/P.O.BOX:51745-354/TEL:+984134282612	

LL0209AA is linear low density polyethylene copolymer containing butene-1(C4) as co monomer. It is suitable for blending with conventional LDPE. Film made from pure LL0209AA has the following advantages over LDPE: better sealing, higher puncture resistance, greater drawdown ability and higher tensile strength. This grade has food contact approval. Applications: green house film, silage film, hand bags and general purpose film applications.

PROPERTY		UNIT	TEST METHOD	TYPICAL VALUE
MELT FLOW INDEX(190°C 2.16KG)		g/10min	ASTM D-1238	0.9
MFR(UNDER LOAD 21.6KG/2.16KG)				29-30
DENSITY		gr/cm ³	ASTM D-1505	0.919
VICAT SOFTENING POINT		°C	ASTM D-1525	105
FILM**				
DART DROP IMPACT	METHOD A	GR	ASTM D-1709	140
TENSILE STRESS AT YEILD	MD/TD	MPA	ASTM D-882	10/11
TENSILE STRESS AT BREAK	MD/TD	MPA	ASTM D-882	41/32
TEAR STRENGTH	MD/TD	gr/25μ	ASTM D1922	145/370
1%SECANT MODULUS	MD/TD	MPA	ISO 1184	195/205
ELONGATION AT BREAK	MD/TD	%	ASTM D-882	620/840
HAZE	-	%	ASTM D-1003	12
GLOSS(45°)	-	%°	ASTM D-2457	56

*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 film, 2.5:1 blow up ratio, 225°C melt temperature MD: Machine Direction, TD: Transverse Direction
Grade Suffix (Additives Indication) AA: GENERAL ANTIOXIDANT