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TABRIZ PETROCHEMICAL COMPANY

LINEAR LOW DENSITY POLYETHYLENE - LLDPE 0209AA

LLDPE LL0209AA is a butene-based linear low-density polyethylene film grade designed for blown and cast film extrusion applications. It offers an excellent combination of sealing performance, puncture resistance, tensile strength, and flexibility while maintaining outstanding processability. This food-contact approved grade is fully compatible with conventional LDPE for blending, making it an ideal choice for manufacturers producing high-performance flexible packaging and industrial films.

Producer	Applications
Tabriz Petrochemical Company	green house film, silage film, hand bags and general-purpose film applications.

Typical Properties			
Resin Properties	Unit	Typical Value	Test Method
MELT FLOW INDEX (190°C 2.16KG)	g/10min	0.9	ASTM D-1238
MELT FLOW INDEX ((UNDER LOAD 21.6KG/2.16KG)	g/10min	29-30	ASTM D-1238
DENSITY	gr/cm3	0.919	ASTM D-1505
VICAT SOFTENING POINT(120°C/hr 1kg)	°C	105	ASTM D-1525
DART DROP IMPACT	gr	140	ASTM D-1709
TENSILE STRESS AT YEILD (MD/TD)	MPa	10/11	ASTM D-882
TENSILE STRESS AT BREAK (MD/TD)	MPa	41/32	ASTM D-882
ELMENDORF TEAR STRENGTH (MD/TD)	gr/25μ	145/370	ASTM D1922
1%SECANT MODULUS (MD/TD)	MPa	195/205	ASTM D-882
ELONGATION AT YEILD (MD/TD)	%	11/10	ASTM D-882
ELONGATION AT BREAK (MD/TD)	%	620/840	ASTM D-882
WHITENESS INDEX	-	50	ASTM E-313
HAZE	%	12	ASTM D-1003
GLOSS (45°)	-	35	ASTM D-2457