GENERAL PROPERTIES

Grade name	**LL0209AA (LLDPE)**
Manufacturer	Shazand (Arak) Petrochemical
Catogories	Polymer, Thermoplastic, Polyethylene, Linear Low Density Ployethylene
Processing method	Blown film
Applications	Film, Light-duty films, Agricultural films
Features	Food contact

PHYSICAL PROPERTIES

	VALUE	UNIT	TEST CONDITIONS	TEST METHOD
Density	0,92	g/cm³		ASTM D2839
MFI	0,9	g/10min	At 2.16Kg Load ,	ASTM D1238

MECHANICAL PROPERTIES

	VALUE	UNIT	TEST CONDITIONS	TEST METHOD
Elmendorf Tear Strength, MD	145	gr/25µm		ASTM D1922
Elmendorf Tear Strength, TD	370	gr/25µm		ASTM D1922
Film Elongation at Break, MD	620	%		ASTM D638
Film Elongation at Break, TD	841	%		ASTM D638
Film Tensile Strength at Break, MD	41	Mpa		ASTM D638
Film Tensile Strength at Break, TD	32	Mpa		ASTM D638
Film Tensile Strength at Yield, MD	10,5	Mpa		ASTM D638
Film Tensile Strength at Yield, TD	11	Mpa		ASTM D638
Impact Strength, Dart	150	gr		ASTM D1709

THERMAL PROPERTIES

	VALUE	UNIT	TEST CONDITIONS	TEST METHOD
Vicat Softening Point	100	°C		ASTM D1525

OPTICAL PROPERTIES

	VALUE	UNIT	TEST CONDITIONS	TEST METHOD
Gloss	56		45°	ASTM D2457
Haze	10	%		ASTM D1003