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شرکت پتروشیمی شازند
SHAZAND PETROCHEMICAL Co.



CERTIFICATE OF CONFORMITY

DATE:	06 MAY 2025	CONTRACT:	SACHPD/0173/2024
MATERIAL:	LLDPE, LL 0209 AA	INVOICE:	INV-00391
BATCH NO.:	7038535	TOLERANCE:	+/- 4%
MANUFACTURE DATE:	05 MAY 2025	NET WEIGHT:	137,500.00KGS
FORM:	LIGHT-COLORED GRANULES	GROSS WEIGHT:	140,000.00KGS
PACKAGE TYPE:	25 KG BAGS	PACKING:	05 CONTAINERS
TEST CONDITIONS:	All tests were carried out at 23 ± 2 °C and 50 ± 5 % RH on film-blown specimens (~50 μ m) conditioned for 48 h.		

PARAMETERS & ACCEPTANCE CRITERIA

PROPERTY	UNIT	METHOD	TYPICAL VALUE	RESULT
PHYSICAL & RHEOLOGICAL PROPERTIES				
MFR (190°C/2.16kg)	g/10 min	ASTM D1238	0.9	0.92
Density	g/10 min	ASTM D1505	0.920	0.919
Vicat Softening Point	°C	ASTM D1525	122	121
Melting Point	°C	ASTM D3418	122	123
MECHANICAL PROPERTIES				
Tensile Strength at Yield	MPa	ASTM D638	11	11.3
Tensile Strength at Break (TD/MD)	MPa	ASTM D638	32/41	31.5/42.0
Elongation at Break (TD/MD)	%	ASTM D638	840/620	835/625
Tensile Modulus (TD/MD)	MPa	ASTM D638	200/190	198/192
Flexural Modulus	MPa	ASTM D790	200	197
OPTICAL PROPERTIES				
Haze	%	ASTM D1003	14	13.7
Gloss (45°)	—	ASTM D2457	55	54
IMPACT PROPERTIES				
Dart Drop Impact	g	ASTM D1709	120	118

Shelf Life & Storage Conditions:

- Shelf life: 12 months from the date of production.
- Storage: Store in a dry, well-ventilated area, away from direct sunlight and heat sources.
- Protect from moisture and mechanical damage.
- After the guaranteed shelf life, the material may still be usable if properly stored, but the manufacturer does not guarantee property retention.

Processing Recommendations:

- Film Extrusion Temperature: 160 – 200 °C.
- Blow-up Ratio (BUR): 2:1 – 3:1.
- Cooling: Air cooling recommended.



Shazand (Arak) Petrochemical Company (Private Joint Stock)

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