



Saadat accredited **LABORATORIES**

Relying on principles of teamwork synergy, integration of policies and coded plans, in order to improve quality level of Saadat Holding polymer products and with participation of Companies: Bah Ab Shokouh Khazra, Pars Rangdaneh Khazra Iranian and Saadat Tawan Baspar, this group have started its activity with the slogan "Saadat, a new research for quality Improvement".

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هلدینگ سعادت
SAADAT HOLDING

Saadat Accredited Laboratories with implementation of necessities of quality management system ISO 9001:2008 and benefit from control tools and modern laboratory, certified for laboratory quality management system ISO 17025 and it is known as a collaboration lab of the Iranian National Standards Organization.

Saadat accredited laboratories are polymer specialized laboratories which are pledged to give services and its experiments reports at global scale.

We are looking for obtaining our internal and external customers' satisfaction, using highest standards in professional activities. Our goal is to maintain and improve position of Saadat Accredited Labs, via high efficiency and produce accurate and correct test reports. To attain these goals, Saadat laboratories group is pledged of following items :

1- Monitoring quality system and frequent evaluation to answer the expectations of internal and external customers to gain accredited test reports.

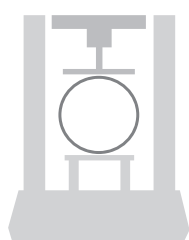
2- Special attention to the manpower as the main laboratory's investment with strategy of increasing level of their skill, academic and professional abilities of the personnel through evaluation and presenting needed trainings and create a suitable atmosphere for participation, innovation and creativity.

3- Belief and obligation to professional principles in laboratory and using national and international standards and credited test methods

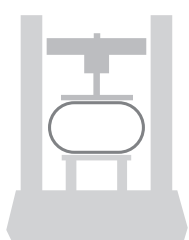
4- Overall acquaintance of saadat accredited laboratories group' personnel with documentations of quality system and obligation to adhere to the policy, executive methods and technical instructions on their duties.

Tests & Specification of products

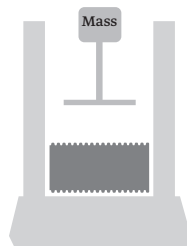
| Test method | Unit | Masterbatch & Compound | Polyethylene manhole | Polyethylene pipe | | |
|-------------|--------------------|--|----------------------|-------------------|-----------------------------|---------------------|
| ISO 1183 | gr/cm ³ | Depends on Type of masterbatch or compound | ≥ 0.925 | ≥ 0.941 | Density | |
| ISO 1133 | gr/10 mins | | 3 - 4 | 0.2 - 0.55 | Flow index | |
| ISO 527 | MPa | | - | - | Resistance to traction | |
| ISO 527 | % | | - | - | Tensile | |
| ISO 11357-6 | mins | | ≥ 10 | ≥ 20 | Oxidation test | |
| ISO 6964 | % | | - | 2 - 2.5 | Oven test | |
| ISO 868 | Degree | | - | - | Hardness test | |
| ISO 306 | °C | | - | - | Vicat softening Temperature | |
| ISO 18553 | apparent | | - | ≤ 3 | Carbon black dispersion | |
| ASTM D1693 | apparent | | - | - | Crack test | |
| ISO 9969 | KN/m ² | | - | ≥ 2 | ≥ 8 | Ring stiffness test |
| ISO 33968 | apparent | | - | - | OK/NO | Flexibility test |
| EN 744 | apparent | - | TIR ≤ 10 | TIR ≤ 10 | Impact resistance test | |
| ISO 9967 | - | - | - | ≤ 4 | Creep test | |



Ring stiffness test



Flexibility test



Impact resistance test



Carbon black dispersion