



PEX compound for Pipe – PEX-A Peroxide crosslinkable

• Description

ZARLNK™ XL2590 is a high molecular weight, high density polyethylene specially designed for production of crosslinked pipes (PEX)

• Applications and Specifications

ZARLNK™ XL2590 is recommended for the production of crosslinked pipes used in

- Plumbing * Domestic water * Domestic gas
- District heating * Relining * Industrial applications * Heating

ZARLNK™ XL2590 is intended to fulfill following standards and regulations, in case of appropriate industrial manufacturing standard procedures applied and a continuous quality system is implemented.

- DIN 16892
- DIN 16893
- EN ISO 15875
- ASTM F 876

ZARLNK™ XL2590 is a free flowing powder for the PEX-A, peroxide crosslinking process. The material is only stabilized for transporting and storage. Crosslinking agent (e.g. peroxide) and stabilizers have to be added by the pipe manufacturer. Good crosslink response and well-balanced powder size distribution enable effective soaking and a stable pipe production.

* Economical pipe production

- Cleanliness
- Enhanced processability

* Excellent product consistency

• Physical Properties

Data should not be used for specification work

Property	Typical Value	Test Method
Density (Base Resin)	0.95 gr/cm ³	ISO 1183
Melt Flow Rate (190°C , 2.16 kg)	Approx 3 gr/10 min	ISO 1133
Tensile Strain at Break	>650 %	ISO 527-2
Tensile Stress at Yield (50 mm/min)	23 MPa	ISO 527-2

• Processing

The actual conditions will depend on the type of equipment used.

The actual extrusion conditions will depend on the type of equipment used. They will also depend on size and wall thickness of the pipe produced.





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ZARLNK™ XL2590 is successfully used in the industry on the older RAM (Engel) process as well as on the newer type of screw extrusion equipment in combination with different PEX-A crosslinking methods. Specific recommendations for processing conditions can be determined only when the application and type of equipment are known.

- **Packaging**

Package: Aluminum bags (25 kg)
Small Bins (550 kg)

- **Storage**

ZARLNK™ XL2590 has a shelf life of 18 months from delivery date if stored in unopened original packages, should be stored in dry conditions at temperatures below 50°C and protected from UV-light.

Before use, material shall be conditioned indoors (production room) to reach ambient temperature. It is also recommended to ensure proper stock rotation by First In – First Out principle.

Avoid direct exposure to sunlight and weathering.

Improper storage can initiate degradation, which results in odor generation and cooler changes and can have negative effects on the physical properties of this product