



Technical Data Sheet

GS XA-25 Compound

Description:

GS XA-25 is a ready-to-use cross-linkable polyethylene (PEX-A) compound produced by one-component system neither needs post curing nor catalyst and insensitivity to oxygen and moisture (non-vacuum packing), shows excellent impact strength, ESCR, creep and internal pressure resistance under ambient and elevated temperature conditions and good extrusion properties at very-high output rates. The cross-linkable GS XA-25 polyethylene is designed for hot and cold water pressure multilayer PEX-AL-PEX and PEX-AL-PERT pipes in inner layer.

General:

Appearance: Natural/High Purity Granule

Application: High temperature pressure pipes, Multilayer pipes, Inner layer of the pipes

Processing Method: Extrusion

Packaging: 25 Kg Sack

Properties:

Parameter	Test Method	Unit	Result
Density	ISO 1183	g/cm ³	0.94
Melt Flow Index (190 °C/2.16kg)	ISO 1133	g/10 min	1.5
Tensile Strength at Break	ISO 527	MPa	30
Elongation at Break	ISO 527	%	700
Hardness shore D	DIN 53505	Shore D	60
Vicat Softening Point	ISO 306	°C	125
Hydrostatic Strength (95 °C)	ISO 1167	h	>5000
Gel content	ASTM D2765-01	%	>75

Extrusion:

Extrusion							
Zone	1	2	3	4	5	Head	Die
Temperature (°C)	130	150	170	180	190	200	200

Notes:

- ❖ Test results have been obtained with laboratory equipment. Change the test devise may give different results outside of the standard.
- ❖ The customers are advised to check the product quality before commercial use.
- ❖ The compound should be stored in the original container securely under cool and dry conditions away from direct sunlight, heat and contamination.
- ❖ Shelf life at proper storage is about 36 months from the production date, but it is recommended to consume the compound within 18 months.