

SIZE : 176 x 250 mm

**TECHNICAL INFORMATION**

PARAMETER	ASTRAL XLPE SPECIFICATION		
Material (ASTM C 1427)	Chemically Cross Linked Closed Cell Polyethylene Foam Insulation		
Temperature Range	(-)40° C to +115°C		
Nominal Density	30 ± 3Kg/m3		
Thermal Conductivity	Mean Temperature (°C)	W/m °K	Kcal/hr m (°C)
	0	0.0318	0.0273
	23	0.0329	0.0283
	26	0,0382	0.0328
Water Vapour Resistance Factor (μ) (MEW) - (DIN - 52615)	Moisture Resistance Factor (μ) >9000 (for plain foam) >14000 (for Al foil faced foam)		
Dimensional Stability: BS 4370 Part 1	Change in dimension at -20° C for 4 hrs: <0.5% and at 110°C for 4 hrs: <0.5%		
Limiting Oxygen Index: ASTM D 2863	24%		
Compression Strength @ 25%: ASTM D 3575	0.44 Kg/cm2		
Resistance to Chemical: ASTM C 543	No characteristic change observed		
Tensile Strength @ 50 mm/min: ASTM D 3575	2.51 Kg/cm2		
Elongation at Break: ASTM D 3575	133.2%		
Fungal Resistance: ASTM G21	No growth observed		
Volume % -age of closed cell: ASTM D 6226 Part 2	>90%		
Sound Transmission Class for 9 mm foam with 12 mm Gypsum board: ASTM E 413 / ISO 140 board: ASTM E 413 / ISO 140	40 dB		
Water Absorption: ASTM C 209 / ASTM 1763	<0.2%		
Water Vapour Permeance: ASTM E96	0.15 ng/pas.m		
Health & Safety Aspects	CFC / HCFC Free: Dust and Fibre Free, VOC / SVOC Free		
Emission of Volatile Organic Compound (VOC)	Negligible		
Applications	HVAC, Textile & Building Industry		



CHEMICALLY CROSS LINKED CLOSED CELL POLYETHYLENE FOAM INSULATION



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## ABOUT ASTRAL XLPE INSUPRO

ASTRAL XLPE INSUPRO insulation tubes are specially designed for plastic & metal piping system for applications in building construction and various other industries for plumbing, HVAC, chilling thermal insulation etc.

ASTRAL XLPE INSUPRO is produced using advanced manufacturing machineries & equipment setup which is capable of manufacturing the product in line with the international norms. Highest quality raw materials, standard manufacturing practices and quality management systems ensure ASTRAL XLPE to be the best quality end-product.

### Astral Insupro Tubes - Length - 2.0 m, Colour - Grey

Tube ID Ø [mm]	Insulation Thickness						Recommended For Pipe Size
	6.0 mm		9.0 mm		13.0 mm		
	Part no.	PC/ Bundle	Part no.	PC/ Bundle	Part no.	PC/ Bundle	
15.9	IP-06.16.15	100 PCS	IP-06.16.15	100 PCS	IP-09.16.15	100 PCS	15mm (1/2") - Copper & CPVC
22.3	IP-06.22.20	100 PCS	IP-09.22.20	100 PCS	IP-13.22.20	100 PCS	20mm (3/4") - Copper & CPVC / 15mm (1/2") - uPVC,MS,GI
28.7	IP-06.28.25	100 PCS	IP-09.28.25	100 PCS	IP-13.28.25	100 PCS	25mm (1") - Copper & CPVC / 20mm (3/4") - uPVC,MS,GI
35.0	IP-06.35.32	70 PCS	IP-09.35.32	70 PCS	IP-13.35.32	70 PCS	32mm (1-1/4") - Copper & CPVC / 25mm (1") - uPVC,MS,GI
43.4	IP-06.43.40	60 PCS	IP-09.43.40	60 PCS	IP-13.43.40	70 PCS	40mm (1-1/2") - Copper & CPVC / 32mm (1-1/4") -uPVC,MS,GI
54.1	IP-06.54.50	50 PCS	IP-09.54.50	50 PCS	IP-13.54.50	40 PCS	50mm (2") - Copper & CPVC

### APPLICATION AREAS

- Pipe Insulation

### SALIENT FEATURES

- Negligible water/ moisture absorption (>90 % closed cell)
- Wide operating temperature range : -40°C to +115°C
- Excellent thermal insulation
- Resistance to fungi & bacteria
- Chemically unreactive
- Stable K value
- Maintenance free
- Fibre free & dust free
- Flexible & easy to install

