

STYRENE PACKINGS® EPS Pre-Moulded Pipe Section Insulation



Approvals and Reports



Product Information

Features and benefits

Raw material EPS granule SE 250FR is fire rated for UL -94, type HF-1/HF-2/V1 Certification Class. It is Self Extinguishing in nature.

Size Range: Ø15 x 20 mm thickness till Ø600x125 mm thickness.

Unique Interlocking Pre-Molded Design helps in more effective Grip and increases k-value of thermal insulation.

Patented Pre-Molded technology results in a more compact EPS cell Structure than Wire cutting technology.

Applications

Hot & Chilled
Water pipe insulation

HVAC Ducts and air
conditioning Pipes

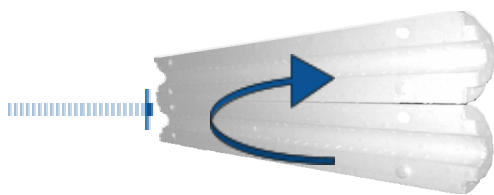
Underground Pipe Work

Pipe Type

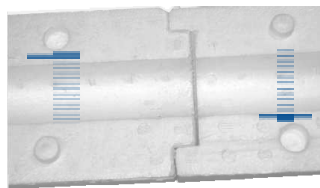
MS Steel Pipe

PEX / PVC / UPVC /
CPVC Pipes

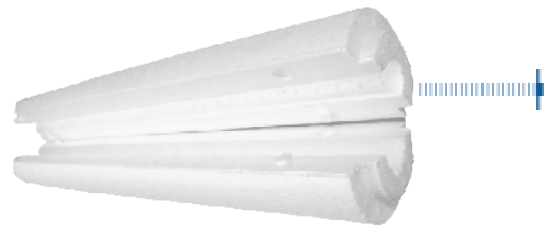
Installation guide



Open View of EPS pipe section



Interlocks shown

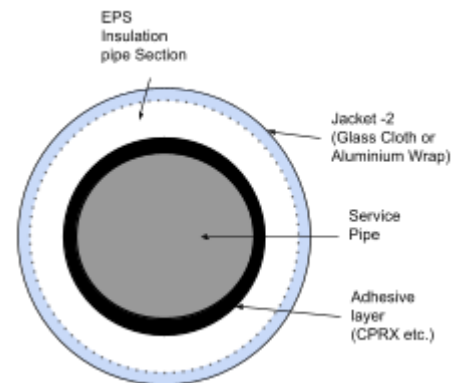
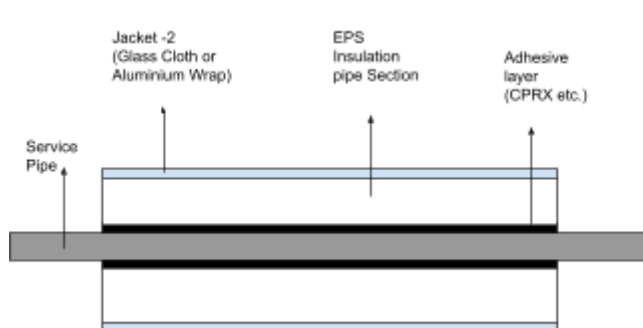


Closed View of EPS Pipe Section

1. Open the Pre-Molded Pipe section and apply adhesive layers on the inside cavity.
2. Fit the upper and lower section around the service pipe.
3. With a mallet / hammer, lightly tap the section through the fixture until the male - female interlocks are locked.
4. Fit the front protruded male groove into the next section female cavity and repeat the process for the complete service pipe.

Installation data

Parameters	Symbol and Dimension		16 Kgs	20 Kgs	24 Kgs	28 Kgs	32 Kgs
Min. Pipe Diameter	$\varnothing$	[mm]	15mm	50mm	50mm	50mm	80mm
Max. Pipe Diameter	$\varnothing$	[mm]	1000 mm	1000mm	1000mm	1000mm	1000mm
Min.insulation thickness	s_{min}	[mm]	25 mm	50mm	75mm	75mm	100mm
Min. spacing	s_{min}	[mm]	-	50mm	50mm	50mm	50mm
EPS Internal Diameter (ID)	MS Pipe ID	[mm]	+2mm	+2mm	+2mm	+2mm	+2mm
Max. installation Length	mm	[mm]	1000 mm	1000mm	1000mm	1000mm	1000mm
Max. Curved Bore	-	-	NR				



STYRENE PACKINGS® EPS Pre-Molded Pipe Section Insulation Technical Parameters

P H Y S I C A L P R O P E R T I E S	Density range (Regular manufacturing as per IS:4671)	16-32 Kg/cum
	Thermal Conductivity at 10 C mean temperature (k-value)	0.028 - 0.031 Kcal m/hr.m c
	Compressive Strength	0.8-1.6 kg/cm ²
	Cross breaking Strength	1.4-2.0 kg/cm
	Tensile Strength	3-6 kg/cm ²
	Application Range	-200 C ± 80 C
	Water absorption by % Volume for 7 days in water	0.5%
	Self ignition point	300 C Degree
	Melting Range	100 - 122 C
	R Value (hft ² .F ⁰ /BTU) for wall thickness 25 mm and density 30 gpl	4 (hft ² .F ⁰ /BTU)
	Polarity	Non polar polymer Resistant to water and moisture

*Performance data According to UL -94, HF-1/HF-2/V1 or Equivalent & IS code 4671. for Raw Material: SE250 FR EPS Granules.

*Styrene Packings offers Expanded polystyrene fully resistant to all concentrated acid except (HNO₃ and H₂SO₄) but it is non resistant to Aliphatic, hydrocarbons, Ketones and Chlorinated hydrocarbons and is affected by ultraviolet rays.

*It turns yellow and ultimately becomes brittle if left permanently exposed to sun.

STYRENE PACKINGS® Standard Dimension & Density Offer:

Product Code	Nominal Bore of MS Pipe		Pipe Section Dimensions		Available Pipe Section Density					
	Diameter Ø		Thickness	Length	TF Grade (16 - 32 kg Density)					
	D ₁	D	T	L	16 kgs	20 kgs	24 kgs	28 kgs	30 kgs	32 kgs
	[inchs]	[mm]	[mm]		[Kgs]					
SP-15Dx25T	½	15	25	1000	☒	☒	☒	☒	☒	☒
SP-15Dx40T	½	15	40	1000	☒	☒	☒	☒	☒	☒
SP-15Dx50T	½	15	50	1000	☒	☒	☒	☒	☒	☒
SP-15Dx65T	½	15	65	1000	☐	☐	☐	☐	☐	☐
SP-15Dx75T	½	15	75	1000	☐	☐	☐	☐	☐	☐
SP-15Dx100T	½	15	100	1000	☐	☐	☐	☐	☐	☐
SP-15Dx125T	½	15	125	1000	☐	☐	☐	☐	☐	☐
SP-20Dx25T	¾	20	25	1000	☒	☒	☒	☐	☐	☐
SP-20Dx40T	¾	20	40	1000	☒	☐	☐	☐	☐	☐
SP-20Dx50T	¾	20	50	1000	☒	☐	☐	☐	☐	☐
SP-20Dx65T	¾	20	65	1000	☐	☐	☐	☐	☐	☐
SP-20Dx75T	¾	20	75	1000	☐	☐	☐	☐	☐	☐
SP-20Dx100T	¾	20	100	1000	☐	☐	☐	☐	☐	☐
SP-20Dx125T	¾	20	125	1000	☐	☐	☐	☐	☐	☐

Product Code	Nominal Bore of MS Pipe		Pipe Section Dimensions		Available Pipe Section Density					
	Diameter Ø		Thickness	Length	TF Grade (16 - 32 kg Density)					
	D ₁	D	T	L	16 kgs	20 kgs	24 kgs	28 kgs	30 kgs	32 kgs
	[inchs]	[mm]	[mm]		[Kgs]					
SP-25Dx25T	1	25	25	1000	☒	☐	☐	☐	☐	☐
SP-25Dx40T	1	25	40	1000	☒	☐	☐	☐	☐	☐
SP-25Dx50T	1	25	50	1000	☒	☐	☐	☐	☐	☐
SP-25Dx65T	1	25	65	1000	☐	☐	☐	☐	☐	☐
SP-25Dx75T	1	25	75	1000	☐	☐	☐	☐	☐	☐
SP-25Dx100T	1	25	100	1000	☐	☐	☐	☐	☐	☐
SP-25Dx125T	1	25	125	1000	☐	☐	☐	☐	☐	☐
SP-32Dx25T	1 ¼	32	25	1000	☒	☐	☐	☐	☐	☐
SP-32Dx40T	1 ¼	32	40	1000	☒	☐	☐	☐	☐	☐
SP-32Dx50T	1 ¼	32	50	1000	☒	☐	☐	☐	☐	☐
SP-32Dx65T	1 ¼	32	65	1000	☐	☐	☐	☐	☐	☐
SP-32Dx75T	1 ¼	32	75	1000	☐	☐	☐	☐	☐	☐
SP-32Dx100T	1 ¼	32	100	1000	☐	☐	☐	☐	☐	☐
SP-32Dx125T	1 ¼	32	125	1000	☐	☐	☐	☐	☐	☐
SP-40Dx25T	1 ½	40	25	1000	☒	☐	☐	☐	☐	☐
SP-40Dx40T	1 ½	40	40	1000	☒	☐	☐	☐	☐	☐
SP-40Dx50T	1 ½	40	50	1000	☒	☐	☐	☐	☐	☐
SP-40Dx65T	1 ½	40	65	1000	☐	☐	☐	☐	☐	☐
SP-40Dx75T	1 ½	40	75	1000	☐	☐	☐	☐	☐	☐
SP-40Dx100T	1 ½	40	100	1000	☐	☐	☐	☐	☐	☐
SP-40Dx125T	1 ½	40	125	1000	☐	☐	☐	☐	☐	☐

Product Code	Nominal Bore of MS Pipe		Pipe Section Dimensions		Available Pipe Section Density					
	Diameter Ø		Thickness	Length	TF Grade (16 - 32 kg Density)					
	D ₁	D	T	L	16 kgs	20 kgs	24 kgs	28 kgs	30 kgs	32 kgs
	[inches]	[mm]	[mm]		[Kgs]					
SP-50Dx25T	2	50	25	1000	☒	☐	☐	☐	☐	☐
SP-50Dx40T	2	50	40	1000	☒	☐	☐	☐	☐	☐
SP-50Dx50T	2	50	50	1000	☒	☐	☐	☐	☐	☐
SP-50Dx65T	2	50	65	1000	☒	☐	☐	☐	☐	☐
SP-50Dx75T	2	50	75	1000	☒	☐	☐	☐	☐	☐
SP-50Dx100T	2	50	100	1000	☐	☐	☐	☐	☐	☐
SP-50Dx125T	2	50	125	1000	☐	☐	☐	☐	☐	☐
SP-65Dx25T	2 ½	65	25	1000	☐	☐	☐	☐	☐	☐
SP-65Dx40T	2 ½	65	40	1000	☐	☐	☐	☐	☐	☐
SP-65Dx50T	2 ½	65	50	1000	☒	☐	☐	☐	☐	☐
SP-65Dx65T	2 ½	65	65	1000	☒	☐	☐	☐	☐	☐
SP-65Dx75T	2 ½	65	75	1000	☒	☐	☐	☐	☐	☐
SP-65Dx100T	2 ½	65	100	1000	☐	☐	☐	☐	☐	☐
SP-65Dx125T	2 ½	65	125	1000	☐	☐	☐	☐	☐	☐
SP-65Dx25T	3	80	25	1000	☐	☐	☐	☐	☐	☐
SP-65Dx40T	3	80	40	1000	☐	☐	☐	☐	☐	☐
SP-65Dx50T	3	80	50	1000	☒	☐	☐	☐	☐	☐
SP-65Dx65T	3	80	65	1000	☒	☐	☐	☐	☐	☐
SP-65Dx75T	3	80	75	1000	☒	☐	☐	☐	☐	☐
SP-65Dx100T	3	80	100	1000	☐	☐	☐	☐	☐	☐
SP-65Dx125T	3	80	125	1000	☐	☐	☐	☐	☐	☐

Product Code	Nominal Bore of MS Pipe		Pipe Section Dimensions		Available Pipe Section Density					
	Diameter Ø		Thickness	Length	TF Grade (16 - 32 kg Density)					
	D _i	D	T	L	16 kgs	20 kgs	24 kgs	28 kgs	30 kgs	32 kgs
	[inches]	[mm]	[mm]		[Kgs]					
SP-100Dx25T	4	100	25	1000	☐	☐	☐	☐	☐	☐
SP-100Dx40T	4	100	40	1000	☐	☐	☐	☐	☐	☐
SP-100Dx50T	4	100	50	1000	☒	☐	☐	☐	☐	☐
SP-100Dx65T	4	100	65	1000	☒	☐	☐	☐	☐	☐
SP-100Dx75T	4	100	75	1000	☒	☐	☐	☐	☐	☐
SP-100Dx100T	4	100	100	1000	☐	☐	☐	☐	☐	☐
SP-100Dx125T	4	100	125	1000	☐	☐	☐	☐	☐	☐
SP-125Dx25T	5	125	25	1000	☐	☐	☐	☐	☐	☐
SP-125Dx40T	5	125	40	1000	☐	☐	☐	☐	☐	☐
SP-125Dx50T	5	125	50	1000	☒	☐	☐	☐	☐	☐
SP-125Dx65T	5	125	65	1000	☒	☐	☐	☐	☐	☐
SP-125Dx75T	5	125	75	1000	☒	☐	☐	☐	☐	☐
SP-125Dx100T	5	125	100	1000	☐	☐	☐	☐	☐	☐
SP-125Dx125T	5	125	125	1000	☐	☐	☐	☐	☐	☐
SP-150Dx25T	6	150	25	1000	☐	☐	☐	☐	☐	☐
SP-150Dx40T	6	150	40	1000	☐	☐	☐	☐	☐	☐
SP-150Dx50T	6	150	50	1000	☒	☐	☐	☐	☐	☐
SP-150Dx65T	6	150	65	1000	☒	☐	☐	☐	☐	☐
SP-150Dx75T	6	150	75	1000	☒	☐	☐	☐	☐	☐
SP-150Dx100T	6	150	100	1000	☐	☐	☐	☐	☐	☐
SP-150Dx125T	6	150	125	1000	☐	☐	☐	☐	☐	☐

Product Code	Nominal Bore of MS Pipe		Pipe Section Dimensions		Available Pipe Section Density					
	Diameter Ø		Thickness	Length	TF Grade (16 - 32 kg Density)					
	D ₁	D	T	L	16 kgs	20 kgs	24 kgs	28 kgs	30 kgs	32 kgs
	[inchs]	[mm]	[mm]		[Kgs]					
SP-200Dx25T	8	200	25	1000	☐	☐	☐	☐	☐	☐
SP-200Dx40T	8	200	40	1000	☐	☐	☐	☐	☐	☐
SP-200Dx50T	8	200	50	1000	☒	☐	☐	☐	☐	☐
SP-200Dx65T	8	200	65	1000	☒	☐	☐	☐	☐	☐
SP-200Dx75T	8	200	75	1000	☒	☐	☐	☐	☐	☐
SP-200Dx100T	8	200	100	1000	☐	☐	☐	☐	☐	☐
SP-200Dx125T	8	200	125	1000	☐	☐	☐	☐	☐	☐
SP-250Dx25T	10	250	25	1000	☐	☐	☐	☐	☐	☐
SP-250Dx40T	10	250	40	1000	☐	☐	☐	☐	☐	☐
SP-250Dx50T	10	250	50	1000	☒	☐	☐	☐	☐	☐
SP-250Dx65T	10	250	65	1000	☒	☐	☐	☐	☐	☐
SP-250Dx75T	10	250	75	1000	☒	☐	☐	☐	☐	☐
SP-250Dx100T	10	250	100	1000	☐	☐	☐	☐	☐	☐
SP-250Dx125T	10	250	125	1000	☐	☐	☐	☐	☐	☐
SP-300Dx25T	12	300	25	1000	☐	☐	☐	☐	☐	☐
SP-300Dx40T	12	300	40	1000	☐	☐	☐	☐	☐	☐
SP-300Dx50T	12	300	50	1000	☒	☐	☐	☐	☐	☐
SP-300Dx65T	12	300	65	1000	☒	☐	☐	☐	☐	☐
SP-300Dx75T	12	300	75	1000	☒	☐	☐	☐	☐	☐
SP-300Dx100T	12	300	100	1000	☒	☐	☐	☐	☐	☐
SP-300Dx125T	12	300	125	1000	☐	☐	☐	☐	☐	☐

Product Code	Nominal Bore of MS Pipe		Pipe Section Dimensions		Available Pipe Section Density					
	Diameter Ø		Thickness	Length	TF Grade (16 - 32 kg Density)					
	D ₁	D	T	L	16 kgs	20 kgs	24 kgs	28 kgs	30 kgs	32 kgs
	[inches]	[mm]	[mm]		[Kgs]					
SP-350Dx25T	14	350	25	1000	☐	☐	☐	☐	☐	☐
SP-350Dx40T	14	350	40	1000	☐	☐	☐	☐	☐	☐
SP-350Dx50T	14	350	50	1000	☐	☒	☐	☐	☐	☐
SP-350Dx65T	14	350	65	1000	☐	☒	☐	☐	☐	☐
SP-350Dx75T	14	350	75	1000	☐	☒	☐	☐	☐	☐
SP-350Dx100T	14	350	100	1000	☐	☒	☐	☐	☐	☐
SP-350Dx125T	14	350	125	1000	☐	☐	☐	☐	☐	☐
SP-400Dx25T	16	400	25	1000	☐	☐	☐	☐	☐	☐
SP-400Dx40T	16	400	40	1000	☐	☐	☐	☐	☐	☐
SP-400Dx50T	16	400	50	1000	☐	☒	☐	☐	☐	☐
SP-400Dx65T	16	400	65	1000	☐	☒	☐	☐	☐	☐
SP-400Dx75T	16	400	75	1000	☐	☒	☐	☐	☐	☐
SP-400Dx100T	16	400	100	1000	☐	☒	☐	☐	☐	☐
SP-400Dx125T	16	400	125	1000	☐	☐	☐	☐	☐	☐
SP-450Dx25T	18	450	25	1000	☐	☐	☐	☐	☐	☐
SP-450Dx40T	18	450	40	1000	☐	☐	☐	☐	☐	☐
SP-450Dx50T	18	450	50	1000	☐	☐	☐	☐	☐	☐
SP-450Dx65T	18	450	65	1000	☐	☐	☐	☐	☐	☐
SP-450Dx75T	18	450	75	1000	☐	☒	☐	☐	☐	☐
SP-450Dx100T	18	450	100	1000	☐	☒	☐	☐	☐	☐
SP-450Dx125T	18	450	125	1000	☐	☐	☐	☐	☐	☐

Product Code	Nominal Bore of MS Pipe		Pipe Section Dimensions		Available Pipe Section Density					
	Diameter Ø		Thickness	Length	TF Grade (16 - 32 kg Density)					
	D ₁	D	T	L	16 kgs	20 kgs	24 kgs	28 kgs	30 kgs	32 kgs
	[inchs]	[mm]	[mm]		[Kgs]					
SP-500Dx25T	20	500	25	1000	☐	☐	☐	☐	☐	☐
SP-500Dx40T	20	500	40	1000	☐	☐	☐	☐	☐	☐
SP-500Dx50T	20	500	50	1000	☐	☐	☐	☐	☐	☐
SP-500Dx65T	20	500	65	1000	☐	☐	☐	☐	☐	☐
SP-500Dx75T	20	500	75	1000	☐	☒	☐	☐	☐	☐
SP-500Dx100T	20	500	100	1000	☐	☒	☐	☐	☐	☐
SP-500Dx125T	20	500	125	1000	☐	☐	☐	☐	☐	☐
SP-600Dx25T	24	600	25	1000	☐	☐	☐	☐	☐	☐
SP-600Dx40T	24	600	40	1000	☐	☐	☐	☐	☐	☐
SP-600Dx50T	24	600	50	1000	☐	☐	☐	☐	☐	☐
SP-600Dx65T	24	600	65	1000	☐	☐	☐	☐	☐	☐
SP-600Dx75T	24	600	75	1000	☒	☐	☐	☐	☐	☐
SP-600Dx100T	24	600	100	1000	☒	☐	☐	☐	☐	☐
SP-600Dx125T	24	600	125	1000	☐	☐	☐	☐	☐	☐
SP-700Dx25T	24	600	25	1000	☐	☐	☐	☐	☐	☐
SP-700Dx40T	24	600	40	1000	☐	☐	☐	☐	☐	☐
SP-700Dx50T	24	600	50	1000	☐	☐	☐	☐	☐	☐
SP-700Dx65T	24	600	65	1000	☐	☐	☐	☐	☐	☐
SP-700Dx75T	24	600	75	1000	☒	☐	☐	☐	☐	☐
SP-700Dx100T	24	600	100	1000	☒	☐	☐	☐	☐	☐
SP-700Dx125T	24	600	125	1000	☐	☐	☐	☐	☐	☐

STYRENE PACKINGS® Product Manufacturer Details:

- ❖ Styrene Packings® offers EPS Pipe section sizes above M600 in Diameter, thickness above 125 mm and density above 32 Kgs TF for non standard client specific custom requirements that can be manufactured through our CNC machines.
- ❖ Green checkbox ☐ indicates the best combination of pipe section size & density for maximum performance based upon our technology and manufacturing recommendations.
- ❖ Blue box ☐ indicates the most common sizes that are manufactured as per our customers Requirements.
- ❖ Yellow box ☐ indicates our Standard sizes offer.
- ❖ All Our Raw material EPS granule sourced is fire rated for UL -94, type HF-1/HF-2/V1 Certification Class. It is Self Extinguishing in nature.

STYRENE PACKINGS® Product Commercial Details:

Pipe Section Dimensions		Packing Size	No. of Pipe Section in pcs as per Thickness [mm]							Bar Codes
Dia Ø Inchs / mm	Length [mm]	(in Rmt)	25 [mm]	40 [mm]	50 [mm]	65 [mm]	75 [mm]	100 [mm]	125 [mm]	
½ “ 15mm	1000	Roll								5906675163703
¾ “ 20mm	1000	Roll	25							5906675163741
1 “ 25mm	1000	Roll	25		20					5906675292830
1 ¼ “ 32mm	1000	Roll	25		15					5906675266909
1 ½ “ 40mm	1000	Roll	25		15					5906675266916
2 “ 50mm	1000	Roll	25		15					5906675266923
2 ½ “ 65mm	1000	Roll	25		10					
3 “ 80mm	1000	Roll			8					5906675266930
4 “ 100 mm	1000	Roll			6					5906675266923
5 “ 120 mm	1000	Roll			6		4			5906675163703
6 “ 150 mm	1000	Roll			6		4			5906675163703

8" 200 mm	1000	Roll			3		3			5906675163741
10" 250 mm	1000	Roll			3		2			5906675292830
12" 300 mm	1000	Roll					2			5906675266909
14" 350 mm	1000	Roll					2			5906675266916
16" 400 mm	1000	Roll					1			5906675266923
18" 450 mm	1000	Roll								5906675266930
20" 500 mm	1000	Roll								5906675266923
24" 600 mm	1000	Roll								5906675266923
27.5" 700 mm	1000	Roll								
31.5" 800 mm	1000	Roll								
35.5" 900 mm	1000	Roll								
39.5" 1000 mm	1000	Roll								