

INSULSHED<sup>™</sup>

HEAT SHRINK CREEPAGE EXTENSION SKIRT (RAIN SHED)



Insulshed is used to increase the surface creepage distance of the cores of cable termination without increasing the tail length. They are also used to avoid continuity during rainy season to avoid short circuiting of the electrical network.

The rainsheds are made from high quality cross linked polyolefin material that offers exceptional non tracking behaviour, insulation and long term service reliability for indoor and outdoor applications. The creepage extension sheds are internally coated with water resistant mastic.

Technical Specification		
PROPERTIES	VALUE	STANDARD
<b>Physical</b>		
Tensile Strength	12 N/mm <sup>2</sup> (Mpa) (min.)	ASTM D638
Ultimate Elongation	350 % (min)	ASTM D638
Density	1.15± 0.2 gm/cm <sup>3</sup>	ASTM D792
Hardness	45 ±10 Shore D	ASTM D2240
Water absorption	0.5 % (max.)	ASTM D570
<b>Thermal</b>		
Accelerated ageing	(120°C for 500 hrs)	ASTM D2671
Tensile Strength	11 N/mm <sup>2</sup> (Mpa) (min.)	ASTM D638
Ultimate Elongation	300 % (min.)	ASTM D638
Low Temperature Flexibility (-40°C for 4 hrs.)	No Cracking	ASTM D2671
Heat Shock (250°C for 30 min.)	No cracking or flowing	ESI 09-11
Shrink Temperature	125°C	IEC 216
Continuous Temperature Limit	-40 to +100°C	IEC 216
<b>Electrical</b>		
Dielectric Strength	15 KV/mm.(min)	ASTM D149
Volume Resistivity	1 x 10 <sup>14</sup> Ohm.cm (min)	ASTM D257
Dielectric constant	5 (max.)	ASTM D150
Resistant to track & erosion	No Tracking, erosion or flame failure upto 3.25 KV for 20 min.	ASTM D2303

Selection Chart (Part - III) All dimensions are in mm						
Code	ØA (min)	Ds (min)	Df (max)	Hs (min)	Δ° (min)	Tf ±10%
GRS 130-1	90	36	15	20	10	2.5
GRS 130-1 N	88	41	13	33	20	2.5
GRS 130-2	122	51	21	22	10	3.0
GRS 130-2 N	117	55	18	40	20	3.5
GRS 130-3	135	67	31	26	10	3.0
GRS 130-3 N	135	75	28	40	20	3.5
GRS 130-4	138	80	35	30	10	3.0
GRS 130-5	138	105	35	35	10	3.0
GRS 130-6 S	200	120	50	50	10	4.5
GRS 130-6	200	150	50	45	20	4.5

All dimensions are in mm.  
D : Internal Diameter : s : as supplied : f : after free recovery.  
\* New Sizes

