

Transparent Insulating Shrouding

IEC61112 Class 0

General Discription: Transparent Insulating Shrouding, tested during routine production to a test voltage of 5kV, 50Hz and suitable for operating voltages up to 1,000V, 50Hz.

Dimensions: 1400mm wide x 0.5mm thick x 50mtrs long

Material Properties:

Elongation before break 2000% minimum
Tensile strenght per 50mm wide strip 28.5 kg force

Resistance to low temperatúra: The material will remain flexible to temperatures of -30°C in accordance with the test procedure of VDE 0680 part 1/01.83

Flame retardant characteristics: The material is self-extinguishing when exposed to a flame of 850°C +/- 30°C for a period of 12 seconds. The material will extinguish itself within 15 seconds from the time it is removed from the source of the flame. Under the above test, the amount of material that is damaged will not exceed 200mm.

Ultra-Violet light resistance: The material is UV stabilised.

The material has been specially compounded so as to have extreme flexibility.



▶ 641950

	Hardness	Unit	Test Method
Properties	068	-	
Specific Weight	1.26	g/cm3	DIN 53479
Elongation at break:	23	N/mm2	DIN 53455
Length	21		
Width			
% Elongation: Length	310		DIN 53455
Width	320	%	
Shorehardness A	85	-	DIN 53505/10sec
Shorehardness D	32	-	DIN 53505/10sec
Water Absorbtion	0.6	%	DIN 53495
Shrinkage	Aprox 2.5	%	Heat Storage (10 min at 80°C)
Maximum Usage	Aprox +50	°C	
Cold Resistance	-25	°C	DIN 53372
Surface Resistance	11	Comparable No	DIN 53482
Impact Resistance	25	KV/mm	DIN 53481
Dielectric: At 1000Hz	4.1	-	
At 10kHz	3.8	-	DIN53483
Dielectric Loss			
Factor at 1000 Hz (tan) at 10 kHz	9.1	-	DIN 53483