



FIELD SCS-38S STRIPPABLE CROSSLINKABLE SEMICONDUCTIVE COMPOUND

Grade		SCS-38S		
Description		Strippable crosslinkable semi-conductive shield compound		
Application		For below 35KV outer cable insulation shield		
Characteristics		Excellent strippability, exceptional scorch and weather resistance, outstanding thermal stability and smooth extruded surface		
Meet requirements		IEC 60502, 60840		
Properties	Test Method	Unit	Specification	Typical Value
23°C Volume Resistivity	ASTMD 991	Ω. cm	< 100	50
Density	ASTM D 792	g/cm ³	1.10-1.20	1.15
Tensile Strength (250 mm/min)	ASTMD 638	MPa	> 10	14
Elongation (250 mm/min)	ASTMD 638	%	>200	260
Heat Aging Variation Tensile Strength Elongation at Break	ASTMD 638	% %	(135±2 °C, 168 h) ±40 ±40	(135±2 °C, 168 h) - 20 - 18
Hot Set Test (200 °C, 0.2MPa, 15 min) Elongation under Load Permanent Set After Cooling	IEC 60811-2-1	% %	< 175 < 15	90 10
E.S.C.R 100% "IGEPAL" F20	ASTMD 1693	Hrs	>200	>200
Stripping Force*	ASTM D 903	N/1 cm	8-40	25

SCS-38 S PROCESSING TECHNIQUES

SC-38S provide good surface finish and performance and allows a wide range of extrusion conditions.

We suggest a temperature profile as below:

Barrel	Z1	Z2	Z3	Z4	Z5	Z6	Z7	Z8
Temperature °C	60	80	90	100	104	105	108	108

Screw Cooling: 40°C -50°C

Recommend the use of 2X screen with mesh size 80 and 100 respectively.

PACKING

Form : Granules

Packages : 500 kg box

STORAGE

If stored in its original packaging, SCS-38 S can be kept for up to 12 months in a clean and dry environment away from heat and direct sunlight

SAFETY

SCS-38 S is *not* classified as a dangerous compound

The product is supplied in form of free-flowing granules of about 2 - 3 mm in size and can be readily handled with commercially available equipment.

Inhalation of any type of dust may irritate the air passage and should be avoided.

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