

Product Information:

SX-KYR is a flame retardant and halogen free compound with on polyolefinic basis. It can be used for production of energy, signal and control cables.

Range material operating temperatures : +90°C.

The properties of this compound comply with the requirements of,

TS HD 604 S1 type M1; IEC 60502 ST8

BS 7655 type LTS1-LTS2-LTS3-LTS4

VDE 0207 Part 24 type HM2-HM4

EN 50290-2-27

BS 6724

UNE 21123-4:2010 - ANNEX A-Table1 type DMZ-E

Product Data:

Property	Test Method	Unit	Value
Physical Properties			
Melt Flow Rate (150°C-21,6 kg)	ASTM D 1238	g/10 min	3
Density (23°C)	ASTM D-792	g/cm ³	1,45
Hardness	ISO 868	Shore D	56
Mechanical Properties			
Tensile Strength	ISO 527	MPa	12,5
Elongation at Break	ISO 527	%	250
Heat Ageing (100 °C, 168 h)	IEC 60811		
Δ Strength		%	< 20
Δ Elongation		%	< 30
Tear Strength	ASTM D 1938	N/mm	10
Hot Pressure Test at 90 °C	IEC 60811	%	<50
Cold Bend (-35 °C±2 °C)	IEC 60811-504	-	No Cracks
Cold Elongation (-35 °C±2 °C)	IEC 60811-505	-	30 Min.
Cold Impact (-35 °C±2 °C)	IEC 60811-506	-	Pass
Chemical Properties			
Environmental Stress Crack Resistance (50°C)	IEC 60811-406	h	>1.000
Halogen Content	EN 60754-1	%	<0,5 Max.
pH	IEC 60754-2	-	>4.3
Conductivity	IEC 60754-2	μS/mm	<10
Water Absorption	IEC 60811	mg/cm ²	<5.0
LOI	ISO 4589	%	37
Smoke Density	EN-61034	% transmittance	>80
Volume Resistivity 20 °C (Alternating Polarity Method)	ASTM D257 Electrodes	Ω.cm	1.10 ¹⁵
Other Properties			
Oil IRM 902 oil (70 °C, 4 h)	IEC 60811-404		
Δ Strength		%	10
Δ Elongation		%	9
Hydrocarbon Resistance Test	NF M 87-202		
Δ Strength		%	< 40
Δ Elongation		%	< 40

Processing:

Extrusion Temperatures: 115 °C–125 °C–130 °C –135°C –145°C–155 °C (Processing with Die Plate 40 Mesh Filter)

Extrusion Temperatures: 120 °C–125 °C–135 °C –145°C –155°C–165 °C (Processing without Die Plate and Filter)

Packaging:

It is packaged as 1250 kg in octabin.

Storage&Handling:

SX-KYR should be stored in a manner that avoids direct exposure to sunlight and heat (T<30°C). This compound should be used within 6 months after its production date. After this time it's necessary to dry the material before extrusion.

KABKOM KİMYA SANAYİ VE TİCARET A.Ş.

İbni Melek OSB TOSBİ Yol 1 No:13 PK:35900 Tire/İZMİR

Tel: +90 (216) 807 20 04 (pbx)

www.kabkom.com.tr

info@kabkom.com.tr

satis@kabkom.com.tr

