

THERMOPLASTIC HALOGEN FREE, FLAME RETARDANT AND LOW SMOKE EMISSION
POLYOLEFIN SHEATHING COMPOUND

Product Description:

SPFR-S30 is a Thermoplastic, Halogen free, highly flame retardant, Low smoke compound designed for cable sheathing applications with excellent processing and mechanical properties.

Specification:

IEC 60502-1 type ST8 and IEC 60092-359 type SHF1

Physical & Mechanical Properties	Standard & Test Method	Unit	Value
Density compound	IEC60811-606	gr/cm ³	1.42
Melt Flow Index(150C/21.6kg)	IEC60811-511	gr/10min	6
Tensile strength	IEC60811-501	N/mm ²	> 14
Elongation at break	IEC60811-501	%	> 250
Hardness	ASTM D2240	Shore D	48
Mechanical Properties after ageing (100°C/168hr)	IEC 60811-401	%	6
Variation of Tensile strength	IEC 60811-401	%	10
Variation of Elongation at break	IEC 60811-401	%	10
Oil Resistance;(IRM902 4hr, 70°c)	IEC 60811-404	%	Mac 20
Tensile Strength variation	IEC 60811-404	%	Max 40
Elongation variation	IEC 60811-404	%	Max 40
Smoke density(Flaming 3mm)	ASTM E662	DS Max	120
Heat shock(24hr/100°C)	IEC 60811-1-3	---	No crack
Hot pressure test at (80°C)	IEC 60811-3-1	%	5
Cold impact test (-15°C)	IEC 60811-1-4	-	pass
Volume resistivity	IEC 60093	Ω. cm	10 ¹⁵
pH	IEC 60754-2	-	5
Conductivity	IEC 60754-2	μs/mm	2
Water absorption	IEC 60811-402	mg/cm ²	0.1
LOI	ASTM D2863	%	34

Packaging

- Bag with a net content of 25 kg.