

Product Information:

SX-8450-HB is designed for jacketing of energy and communication cables.

SX-8450-HB offers substantially reduced shrinkage which helps to maintain low signal attenuation for fibre optic communication cables and low jacket retraction for energy cables in combination with excellent mechanical and barrier properties.

SX-8450-HB offers a balance of properties giving advantages in manufacturing, installation and lifetime performance of communication and energy cables. SX-8450-HB contains 2.5% well-dispersed carbon black in order to ensure excellent weathering resistance.

The properties of this compound comply with the requirements

ASTM D 1248 Type III, Class C, Category 4, Grade E8,E9,
J4,W8,9, IEC 60708
DIN VDE 0207 Type 2YM3, ISO 1872-PE, KCHL, 45-D016
DMP 2, 5, 7, 8, 9, 10, 11, 12, 14, 15,

IEC 60794, EN 187105, DIN VDE 0818,
HD 603 S1, DMP 1, 2, 5, 7, 8,
HD 620 S2, Part 1, table 4B, DMP 2, 8-12, 14-15, 17,
HD 632 S2 ST7, IEC 60840 Type ST7,

Product Data:

Property	Test Method	Unit	Value
Physical Properties			
Melt Flow Rate (190°C-5 kg)	ASTM D1238	g/10 min	1,8
Density (Base Resin)	ASTM D1505	g/cm ³	0,948
Density (Compound)	ASTM D1505	g/cm ³	0,960
Hardness	ASTM D2240	Shore D	61
Carbon Black Content	ASTM D1693B	wt%	2,5
Mechanical Properties			
Tensile Strength	ASTM D638	kg/cm ²	33
Elongation at Break	ASTM D638	%	1000
Flexural Modulus	ISO 178	Mpa	950
ESCR (F ₀ , 50 °C, 10% Igepal)	ASTM D1693	hrs	> 5000
Thermal Properties			
Brittleness Temperature	ASTM D746	°C	<-90
Electrical Properties			
Volume Resistivity@ 500V	ASTM D257	Ω.cm	7.3E15
Surface resistance	Internal Method	Ω	6.3E17
Dielectric Strength	ASTM D150	kV/mm	33.3

Packaging:

It is packaged as 1000 kg in octabin.

Processing:

Extrusion Temperatures: 180°C – 190°C – 200°C – 210°C – 220°C

Storage&Handling:

SX-8450-HB 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

