

**Product Information:**

SX-8450-LB is black linear low density polyethylene compound, designed for jacketing of energy and communication cables.

SX-8450-LB, The abrasion resistance combined with low coefficient of friction makes it ideally suitable for the jacketing of energy and communication cables.

SX-8450-LB contains 2.5% of well dispersed carbon black to provide excellent weather resistance.

The properties of this compound comply with the requirements,

ASTM D 1248 Type I, Class C, Category 4, Grade E4, E5,  
J3, W2-4; ISO 1872-PE, KCHL, 23-D012  
AEIC CS8; ICEA S-93-639; ANSI/ICEA S-94-649  
ANSI/ICEA S-97-682; IEC 60708

IEC 60502, Part 2, Type ST3, ST7; EN 50407;  
HD 632 S2, ST3, ST7; HD 603 S1, DMP 5, 7, 8  
HD 620 S2, DMP 9, 10, 12, 14, 15, 17 ; ANSI/ICEA S-97-  
682 ; AEIC CS8

**Product Data:**

Property	Test Method	Unit	Value
<b>Physical Properties</b>			
Melt Flow Rate (190°C-2,16 kg)	ISO 1133-1	g/10 min	0,8
Density (Base Resin)	ISO 1183-1	g/cm <sup>3</sup>	0,923
Density (Compound)	ISO 1183-1	g/cm <sup>3</sup>	0,936
Hardness	ASTM D2240	Shore D (1 s)	55
Carbon Black Content	ASTM D1693B	wt%	2,5
<b>Mechanical Properties</b>			
Tensile Strength	ASTM D638	kg/cm <sup>2</sup>	30
Elongation at Break	ASTM D638	%	810
Flexural Modulus	ISO 178	Mpa	380
ESCR ( F <sub>0</sub> , 50 °C, 10% Igepal)	ASTM D1693	hrs	> 5000
<b>Thermal Properties</b>			
Brittleness Temperature	ASTM D746	°C	<-76
<b>Electrical Properties</b>			
DC Volume Resistivity	IEC 60093	PΩcm	10
Dielectric constant (1 MHz)	IEC 60250	-	2,5
Dielectric Strength	IEC 60243	kV/mm	> 20

**Packaging:**

It is packaged as 1000 kg in octabin.

**Processing:**

Extrusion Temperatures: 200°C – 220°C – 230°C – 240°C – 250°C

**Storage&Handling:**

SX-8450-LB 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](http://www.kabkom.com.tr)

[info@kabkom.com.tr](mailto:info@kabkom.com.tr)

[satis@kabkom.com.tr](mailto:satis@kabkom.com.tr)

