

**Product Information:**

SX-6053-MB is a natural, UV stabilised, colourable, medium density polyethylene (MDPE) insulation or jacketing compound.

SX-6053-MB is designed for jacket for energy and communication cables

The manufacturing of polymers outside the traditional MFR and density range making it possible to optimize processability, reduce shrinkage and yet provide excellent physical toughness and environmental stress crack resistance (ESCR).

The properties of this compound comply with the requirements,

ASTM D 1248 Type II, Class C, Category 4, Grade E8, E9, J4 IEC 60840, Type ST7  
ISO 1872-PE, KHLN, 33 D-006 HD 603 S1, DMP 6  
IEC 60502, Part 2, Type ST7 DIN VDE 0818

**Product Data:**

Property	Test Method	Unit	Value
<b>Physical Properties</b>			
Melt Flow Rate (190°C-2,16 kg)	ISO 1133-1, Method A	g/10 min	0,85
Density (23°C)	ISO 1183-1, Method A	g/cm <sup>3</sup>	0,937
Hardness,	ISO 868	Shore D	55
Light Absorption Coefficient	ASTM D3349	Abs/mm	400
Low Temperature Brittleness	ASTM D746	°C	<-76
<b>Mechanical Properties</b>			
Tensile Strength (50 mm/min)	ISO 527-2	MPa	33
Elongation at Break (50 mm/min)	ISO 527-2	%	820
Flexural Modulus	ISO 178	MPa	630
ESCR (F <sub>0</sub> , 50 °C, 10% Igepal)	IEC 60811-406	hrs	> 5000
<b>Electrical Properties</b>			
Volume Resistivity (500 V)	IEC 62631-3-1	Ohms.m	7.0E+14
RELATIVE Factor (1 MHz)	IEC 62631-2-1	-	2.31

**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-6053-MB 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)

