

**Product Information:**

Elastomer-based compound can be moisture cured with the addition of a catalyst masterbatch (Sioplas method). It is a cable compound for insulation and jacketing.

Cable insulation with a proper mixture of KKK-430G (95 parts) and CAT-XL (5 parts) exhibits excellent thermo-oxidative stability.

KKX-430G / CAT-XL in combination meets the applicable requirements as below when processed using sound extrusion and testing procedure:

IEC 60502 EPR; VDE 0207/20 3GI3

N 50363-1 EI3 EI4 EI6 and EI7

EN 50363-2 EM3, EM4 and EM6

BS 7655 RS5 and GP7

EN 60092/360 EPR

and DIH3; VDE 0207/20 3GI3

**Product Data:**

Property	Test Method	Unit	Value
<b>Physical Properties</b>			
Melt Flow Rate (190°C- 5 kg)	ASTM D 1238	g/10 min	1,4
Density (23°C)	ASTM D-792	gr/cm <sup>3</sup>	0,88
Water absorption 24h at 100°C	EN 60811	mg/cm <sup>2</sup>	1.00
Hardness	ISO 868	Shore D	38
Hardness	ISO 868	Shore A	90
<b>Mechanical Properties</b>			
Tensile Strength	EN 60811	N/mm <sup>2</sup>	23
Elongation at Break	EN 60811	%	600
Heat Ageing (150°C, 168h)	IEC 60811-401		
Δ Strength		%	<25
Δ Elongation		%	<25
Heat Ageing (127°C, 40h)	IEC 60811-401		
Δ Strength		%	<25
Δ Elongation		%	<25
Hot Set Test (250°C,0.2 MPa)			
Elongation Under Load	IEC 60811-2-1	%	<100
Permanent Elongation After Cooling	IEC 60811-2-1	%	<10
<b>Electrical Properties</b>			
Volume Resistivity at 20°C	IEC 60502	Ω x cm	4.1 E+15
Insulation Resistance Constant at 20°C	IEC 60502	MΩ x km	1500
Dielectric Strength	ASTM D149	kV/mm	30

**Extrusion Temperatures:**

140°C – 145°C – 150°C – 155°C – 160°C – 160°C – 165°C – 165°C

**Packaging:**

KKX-430G is packaged as 20 kg in aluminum bags, 1200 kg pallets.

CAT-XL is packaged as aluminum multi-layer bags with a net content of 1 kg.

**Storage&Handling:**

KKX-430G 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.

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