

# POLIGOM G/30 BIANCO

Ethylene Propylene Diene Terpolymer

Crosspolimeri S.p.A.

## Message:

POLIGOM G/30 : is the trade-mark of our crosslinkable halogen free EPR/EPDM.

POLIGOM G/30 BIANCO : is a chemically crosslinkable rubber for low voltage cable insulation and sheathing.

It is a conveniently grafted compound able to react in presence of moisture and of a catalyst MAC/202 or MAC/308 PSF.

These two compounds, separately stored, must be mixed before starting extrusion in the ratio:

GRAFTING/CATALYST 95/5

General Information			
Features	Crosslinkable		
	Halogen-free		
Uses	Low voltage insulation		
	Cable sheath		
	Wire and cable applications		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.930	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/5.0 kg)	1.0 - 5.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	82		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	12.0	MPa	IEC 60811
Tensile Strain (Break)	800	%	IEC 60811
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (150°C, 168 hr)	8.0	%	IEC 60811
Change in Tensile Strain at Break in Air (150°C, 168 hr)	-17	%	IEC 60811
Thermal	Nominal Value	Unit	Test Method
Thermoset <sup>1</sup>			IEC 60811
250°C	60	%	IEC 60811
Residual : 250°C	10	%	IEC 60811
Conductivity		kJ/m <sup>2</sup>	IEC 60754-1
Halogen Content	0	ppm	IEC 60754-1
Head Temperature	210	°C	
Electrical	Nominal Value	Unit	Test Method

Volume Resistivity	> 1.0E+14	ohms · cm	IEC 60093
Additional Information			
CROSSLINKING:Crosslinking of the finished product is obtained by:-Immersion of the bobbin in hot water at 85/90 °C f or two hours (up to 1/1,5 mm thickness)-Steam treatment at 0,15 bar for 5/6 hours.-Ambient crosslink is possible on sufficient time that depend from air temperature and relative moisture.			
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	160	°C	
Cylinder Zone 2 Temp.	175	°C	
Cylinder Zone 3 Temp.	190	°C	
Cylinder Zone 4 Temp.	205	°C	
Die Temperature	215	°C	
NOTE			
1.	20 N/cm²		

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