

POLIGOM GO/12 R

Ethylene Propylene Diene Terpolymer

Crosspolimeri S.p.A.

Message:

POLIGO is the trade-mark of our crosslinkable EPDM compound.

POLIGOM GO/12 R is a chemically crosslinkable OIL RESISTANT rubber for power cables insulation and sheathing.

It is a conveniently grafted compound able to react in presence of moisture and of a catalyst.

We normally suggest our catalyst type MAC/100 PSF or MAC/203 HS.

REACTION BETWEEN GRAFTING AND CATALYST

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

GRAFTING/CATALYST 98/2

Certify: HD22.1 EM2, BS7655 RS4

General Information			
Features	Crosslinkable		
	Oil resistance		
Uses	Cable sheath		
	Wire and cable applications		
	Insulating material		
Agency Ratings	BS 7655 RS4		
	HD 22.1 EM2		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.950	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	> 12.0	MPa	IEC 60811
Tensile Strain (Break)	> 300	%	IEC 60811
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (70°C, 240 hr)	< 15	%	IEC 60811
Change in Tensile Strain at Break in Air (70°C, 240 hr)	< 15	%	IEC 60811
Change in Tensile Strength (100°C, 24 hr, in mineral oil)	< 40	%	IEC 60811
Change in Tensile Strain at Break (100°C, 24 hr, in mineral oil)	< 40	%	IEC 60811
Thermal	Nominal Value	Unit	Test Method
Thermoset ¹			IEC 60811
200°C		%	IEC 60811
Residual : 200°C		%	IEC 60811

Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+16	ohms·cm	BS 6622
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	
Cylinder Zone 5 Temp.	220	°C	
Die Temperature	225	°C	
Extrusion instructions			
<p>CROSSLINKING:Crosslinking of the finished product is obtained by:</p> <p>Immersion of the bobbin in hot water at 85/90°C for two hours (up to 1/1,5 mm thickness)</p> <p>Steam treatment at 0,15 bar for 5/6 hours.</p> <p>Ambient crosslink is possible on sufficient time that depend from air temperature and relative moisture.</p>			
NOTE			
1.	20 N/cm ²		

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