

POLIGOM G/30

Ethylene Propylene Diene Terpolymer

Crosspolimeri S.p.A.

Message:

POLIGOM G/30 is a crosslinkable EPR/EPDM.

POLIGOM G/30 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, in some case special catalyst MAC/308 PSL (less activity) is necessary. These two compounds, separately stored, must be mixed before starting extrusion in the ratio: GRAFTING/CATALYST 95/5

Certify: HD22.1 EI4 ,EN50363-2-1 EM6, AS/NZS 3808:2000 X-90,R-E-110,E-110-R

General Information			
Features	Crosslinkable		
Uses	Cable Jacketing		
	Low Voltage Insulation		
	Wire & Cable Applications		
Agency Ratings	AS/NZS 3008:2000 X-90		
	EN 50363-2-1		
	HD 22.1 EI4		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/5.0 kg)	2.0 to 6.0	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			IEC 60811
127°C, 40 hr	0.0	%	
150°C, 168 hr	-8.0	%	
Change in Tensile Strain at Break in Air			IEC 60811
127°C, 40 hr	0.0	%	
150°C, 168 hr	-17	%	
Thermal	Nominal Value	Unit	Test Method
Hot Set ¹			IEC 60811
250°C	60	%	
Residual : 250°C	10	%	

Ozone Resistance ²	pass		
Head Temperature	210	°C	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	> 1.0E+15	ohms·cm	IEC 60093
Dielectric Constant (50 Hz)	2.80		ASTM D150
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/cm ²		
2.	Test Method : BS 6899		

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

