GETILAN GPE/134

Crosslinked Polyethylene

Crosspolimeri S.p.A.

Message:

GETILAN : is the trade-mark of our crosslinkable polyolefinic compounds.
GETILAN GPE/134 : high density chemically crosslinkable polythene for insulated aerial cables.
It is a conveniently grafted polythene able to react in presence of moisture and of a catalyst.
We normally suggest our catalyst type MAC/203 HSL.
REACTION BETWEEN GRAFTING AND CATALYST:
These two compounds, separately stored, must be mixed before starting extrusion in the ratio:
GRAFTING/CATALYST 96/4
Certify : ISO 6722 Class D*, FIAT 7.Z8220 T4*

General Information			
Features	High density Crosslinkable		
Uses	Low voltage insulation Cable sheath Wire and cable applications		
Agency Ratings	ISO 6722 D		
Forms	Particle		
Processing Method	Extrusion		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	0.940	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/5.0 kg)	0.20 - 0.60	g/10 min	ASTM D1238
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (Yield)	20.0	MPa	IEC 60811
Tensile Strain (Break)	450	%	IEC 60811
Aging	**Nominal Value**	**Unit**	**Test Method**
Change in Tensile Strength in Air [1] (175°C, 240 hr)	10	%	ISO 6722
Change in Tensile Strain at Break in Air [2] (175°C, 240 hr)	-20	%	ISO 6722
Thermal	**Nominal Value**	**Unit**	**Test Method**
Thermoset [3]			IEC 60811
200°C		%	IEC 60811
Residual : 200°C	0.0	%	IEC 60811
Head Temperature	210	°C	
Electrical	**Nominal Value**	**Unit**	**Test Method**
Volume Resistivity	> 1.0E+16	ohms·cm	BS 6622
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 3 mm thickness)
Steam treatment at 0.15 bar for 5/6 hours.
Air crosslinking at natural temperatures and moisture, after a right number of days depending on climatic conditions, is possibile.

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	165	°C
Cylinder Zone 2 Temp.	180	°C
Cylinder Zone 3 Temp.	190	°C
Cylinder Zone 4 Temp.	205	°C
Die Temperature	225	°C

NOTE	
1.	Test Method: ISO 6722 Class D
2.	Test Method: ISO 6722 Class D
3.	20 N/cm^2

Recommended distributors for this material

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