GETILAN GPE/150 LE-LS

Crosslinked Polyethylene

Crosspolimeri S.p.A.

Message:

GETILAN GPE/150 LE-LS is a crosslinkable polythene.
GETILAN GPE/150 LE-LS is a medium density chemically crosslinkable polythene compound for low voltage power cable insulation and sheathing. The LS type is faster on crrosslink.
It is a conveniently grafted polythene able to react in presence of moisture and of a catalyst.
We normally suggest our catalyst type MAC/100 PSF.
Where and when anti-ageing and anti-copper functions are required, we suggest our type MAC/100 SCU special catalyst.
REACTION BETWEEN GRAFTING AND CATALYST
These two compounds, separately stored, must be mixed before starting extrusion.

General Information			
Features	Crosslinkable Medium Density		
Uses	Cable Jacketing Low Voltage Insulation Wire & Cable Applications		
Agency Ratings	BS 7211 IEC 60502		
Forms	Pellets		
Processing Method	Extrusion		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	0.930	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.0	g/10 min	ASTM D1238
Water Absorption - 24 hr (100°C)	7.00	g/m²	IEC 60811
Hot Set [1]			IEC 60811
200°C	30	%	
Residual : 200°C	0.0	%	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (Yield)	15.0	MPa	IEC 60811
Tensile Strain (Break)	500	%	IEC 60811
Aging	**Nominal Value**	**Unit**	**Test Method**
Change in Tensile Strength in Air			IEC 60811
127°C, 40 hr	8.0	%	
135°C, 168 hr	10	%	
Change in Tensile Strain at Break in Air			IEC 60811
127°C, 40 hr	4.0	%	

135°C, 168 hr	-15	%	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	> 1.0E+16	ohms·cm	BS 6622
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	150	°C	
Cylinder Zone 2 Temp.	170	°C	
Cylinder Zone 3 Temp.	190	°C	
Cylinder Zone 4 Temp.	210	°C	
Cylinder Zone 5 Temp.	230	°C	
Die Temperature	260	°C	
NOTE			
1.	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