

FRAGOM G/459 ACR

Polyolefin

Crosspolimeri S.p.A.

Message:

FRAGOM G G/459 ACR is a flame retardant halogen free polyolefin compound.

FRAGOM G G/459 ACR is a flame retardant crosslinkable compound having good temperature index and oxygen index, suitable for cable sheathing and insulation. It is a conveniently grafted compound able to react in presence of moisture and of a catalyst.

We suggest our catalyst type MAC/308 PSL to use with low compression and PVC screw.

Suitable also for solar cables insulation and sheath adding 5/6% of catalyst GETILAN MAC/300 S.

REACTION BETWEEN GRAFTING AND CATALYST

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

GRAFTING/CATALYST 95/5

General Information			
Features	Crosslinkable		
	Halogen-free		
	Flame retardancy		
Uses	Cable sheath		
	Wire and cable applications		
	Insulating material		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.22	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	> 12.5	MPa	IEC 60811
Tensile Strain (Break)	> 240	%	IEC 60811
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (135°C, 168 hr)	15	%	IEC 60811
Change in Tensile Strain at Break in Air (135°C, 168 hr)	-15	%	IEC 60811
Thermal	Nominal Value	Unit	Test Method
Thermoset			IEC 60540
200°C	50	%	IEC 60540
Residual : 200°C	0.0	%	IEC 60540
Halogen Content		%	IEC 60754-1
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	22	%	ASTM D2863
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	150	°C	

Cylinder Zone 2 Temp.	165	°C
Cylinder Zone 3 Temp.	180	°C
Cylinder Zone 4 Temp.	190	°C
Cylinder Zone 5 Temp.	205	°C
Die Temperature	210	°C

Extrusion instructions

CROSSLINKING: Crosslinking of the finished product is obtained by:

Immersion of the bobbin in hot water at 85/90°C for two hours (up to 1 mm thickness)

Steam treatment at 0,15 bar for 6/8 hours

Ambient air crosslinking at natural temperature and moisture, after a right number of days depending on climatic conditions.

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