

FRAGOM PR/04 AFKK

Thermoplastic

Crosspolimeri S.p.A.

Message:

FRAGOM : is our thermoplastic compound low flame propagation in fire conditions PVC free and heavy-metal free.

FRAGOM PR/04 AFKK : it is studied to extrude insulation at high speed,compound without migration risks (plasticizers-free).

Meet NORMA AS.NZL 3808.2000

Insulation Type HFI-75-TP,HFI-90-TP,HFI-110-TP

Sheathing Type HFS-75-TP,HFS-90-TP,HFS-110-TP

Certify : CEI2011 M1,VDE0207HM4(K=0,7),BS7655 LTS 3-4

General Information			
Features	Mobility Low to None		
	Flame retardancy		
Uses	Wire and cable applications		
	Insulating material		
Agency Ratings	BS 7655 LTS 3-4		
	CEI 2011 M1		
	VDE 0207 HM4 K=.7		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.40	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (160°C/21.6 kg)	8.0	g/10 min	ASTM D1238
Water absorption rate-24 hr (100°C)	18.0	g/m ²	IEC 60811
Hot pressing test-6 h at 90°C-Penetration		%	IEC 60811
Halogen Content	0	%	IEC 60754-1
Temperature Index (Combustion) ¹	> 300	°C	NES 715
Corrosive gases in flue gas-pH	> 4.50		IEC 60754-2
Head Temperature	185	°C	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	55		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	> 11.0	MPa	IEC 60811
Tensile Strain (Break)	> 170	%	IEC 60811
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (110°C, 168 hr)	8.0	%	IEC 60811

Change in Tensile Strain at Break in Air (110°C, 168 hr)	-7.0	%	IEC 60811
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	30	%	ASTM D2863
Additional Information			
No detrimental effects on properties and capability of FRAGOM in presence of convenient Masterbatch colours, black included. We suggest to dry masterbatch before using.			
Extrusion	Nominal Value	Unit	
Drying Temperature	80.0 - 90.0	°C	
Drying Time	3.0 - 4.0	hr	
Cylinder Zone 1 Temp.	130	°C	
Cylinder Zone 2 Temp.	145	°C	
Cylinder Zone 3 Temp.	160	°C	
Cylinder Zone 4 Temp.	180	°C	
Die Temperature	190	°C	
NOTE			
1.	21% O2		

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