

FRAGOM PR/04 AFKK N

Thermoplastic

Crosspolimeri S.p.A.

Message:

FRAGOM : is our brand of thermoplastic compounds having a very low flame propagation under fire conditions.

Our Fragom is PVC free and also heavy-metals free.

FRAGOM PR/04 AFKK N : is designed to extrude both cable insulation and sheathing at high speed without any migration risks as it is completely free of plasticizers.

Fragom PR/04 AFKKN meets the Australian Standard AS/NZ3808.2000

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)	6.0 - 12	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	53		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	> 10.0	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)	< 25	%	IEC 60811
Change in Tensile Strain at Break in Air (110°C, 168 hr)	< 25	%	IEC 60811
Thermal	Nominal Value	Unit	Test Method
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
Tear Strength	> 10.0		BS 6469 99.1
Head Temperature	185	°C	
Electrical	Nominal Value	Unit	Test Method
Dielectric Constant (50 Hz)	4.10		ASTM D150
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	30	%	ASTM D2863
Additional Information	Nominal Value		Test Method
FRAGOM compounds can be coloured with any PE based Masterbatch, black included.For optimal results, we recommend to dry the masterbatch too.			
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% O ₂		

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