

FRAGOM PR/6 AMR

Polyolefin
Crosspolimeri S.p.A.

Message:

FRAGOM: is the trade-mark of our flame retardant halogen free polyolefine thermoplastic compounds

FRAGOM PR/6 AMR: flame retardant polyolefine thermoplastic compound having high temperature index and very good oxygen index.

Suitable for cable sheathing and insulation.

Certify: M1 CEI 2022 II

General Information			
Features	Flame Retardant		
	Halogen Free		
Uses	Cable Jacketing		
	Insulation		
Agency Ratings	CEI 2022 II/III		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.48	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	8.0	g/10 min	ASTM D1238
Water Absorption - 24 hr (100°C)	6.00	mg/cm ²	IEC 60811
Hot Pressure Test - 4h at 80°C -Penetratrion	20	%	IEC 60811
Temperature Index ¹	380	°C	NES 715
Insulation Constant (20°C)	> 500	Mohms · km	
Halogen Content	< 1	%	IEC 60754-1
Head Temperature	185	°C	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	54		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	12.5	MPa	IEC 60811
Tensile Strain (Break)	180	%	IEC 60811
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (100°C, 168 hr)	21	%	IEC 60811
Change in Tensile Strain at Break in Air (100°C, 168 hr)	-22	%	IEC 60811
Change in Tensile Stress			
4 hr, in Gasoline	-18	%	ENI 018 100

70°C, 4 hr, in SAE 20 Oil	-17	%	IEC 60811
Change in Tensile Strain at Break			
4 hr, in Gasoline	5.0	%	ENI 018 100
70°C, 4 hr, in SAE 20 Oil	0.0	%	IEC 60811
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	40	%	ASTM D2863
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	125	°C	
Cylinder Zone 2 Temp.	145	°C	
Cylinder Zone 3 Temp.	170	°C	
Cylinder Zone 4 Temp.	180	°C	
Die Temperature	190	°C	
NOTE			
1.	21% O2		

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