

# FRAGOM PR/550

Ethylene Vinyl Acetate Copolymer

Crosspolimeri S.p.A.

## Message:

FRAGOM : is the trade-mark of our flame retardant polyolefinic compounds based on ethylene copolymer and vinyl acetate

FRAGOM PR/550 : is a halogen-free flame-retardant polyolefinic thermoplastic compound with high values of temperature index and oxygen index, very easy to process. Suitable for cable insulation and sheathing.

During extrusion the material don't make beard externally and internally of the die and is easy to print by roller.

Certify : CEI2011 M1,VDE0207 HM2,BS7655 LTS1-2-3-4, TI6

General Information			
Features	Workability, good		
	Halogen-free		
	Flame retardancy		
Uses	Wire and cable applications		
	Insulating material		
Agency Ratings	BS 7655 LTS1-2-3-4		
	CEI 2011 M1		
	VDE 0207 HM2		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.51	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR)			IEC 60811
160°C/21.6 kg	15	g/10 min	IEC 60811
190°C/21.6 kg	30	g/10 min	IEC 60811
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	49		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	> 10.0	MPa	IEC 60811
Tensile Strain (Break)	> 160	%	IEC 60811
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (100°C, 168 hr)	0.0	%	IEC 60811
Change in Tensile Strain at Break in Air (100°C, 168 hr)	-18	%	IEC 60811
Thermal	Nominal Value	Unit	Test Method
Hot pressing test-4h at 80°C -Penetratrion		%	IEC 60811
Temperature index <sup>1</sup>	260	°C	NES 715

Halogen Content	0	%	IEC 60754-1
Head Temperature	155	°C	
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	> 36	%	ASTM D2863

#### Additional Information

No detrimental effects on properties and capability of FRAGOM in presence of Masterbatch colours, black included. We suggest to dry masterbatch before using.

Extrusion	Nominal Value	Unit
Drying Temperature	80.0 - 90.0	°C
Drying Time	2.0 - 3.0	hr
Cylinder Zone 2 Temp.	120	°C
Cylinder Zone 3 Temp.	140	°C
Cylinder Zone 4 Temp.	150	°C
Die Temperature	155 - 165	°C

#### NOTE

1. 21% O<sub>2</sub>

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#### Recommended distributors for this material

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