

FRAGOM PR/555 K1

Ethylene Vinyl Acetate Copolymer

Crosspolimeri S.p.A.

Message:

FRAGOM PR PR/555 K1 is a flame retardant polyolefinic compound based on ethylene copolymer and vinyl acetate.

FRAGOM PR PR/555 K1 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.

General Information			
Features	Flame Retardant		
	Good Processability		
	Halogen Free		
Uses	Insulation		
	Wire & Cable Applications		
Agency Ratings	CEI 2011 M1		
	VDE 0207 HM4		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.52	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)			IEC 60811
160°C/21.6 kg	13 to 19	g/10 min	
190°C/21.6 kg	25 to 35	g/10 min	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	50		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	> 10.0	MPa	IEC 60811
Tensile Strain (Break)	> 180	%	IEC 60811
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (110°C, 168 hr)	0.0	%	IEC 60811
Change in Tensile Strain at Break in Air (110°C, 168 hr)	-25	%	IEC 60811
Thermal	Nominal Value	Unit	Test Method
Hot Pressure Test - 4 h4 (90°C)	40	%	IEC 60811
Temperature Index - 21% O2	250	°C	
Halogen Content	0	%	IEC 60754-1
Flammability	Nominal Value	Unit	Test Method

Oxygen Index	> 35	%	ASTM D2863
Extrusion	Nominal Value	Unit	
Drying Temperature	80.0 to 90.0	°C	
Drying Time	2.0 to 3.0	hr	
Cylinder Zone 1 Temp.	90.0	°C	
Cylinder Zone 2 Temp.	115	°C	
Cylinder Zone 3 Temp.	135	°C	
Cylinder Zone 4 Temp.	145	°C	
Cylinder Zone 5 Temp.	150	°C	
Die Temperature	150 to 160	°C	

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