

FRAGOM PR/900 ELAS

Polyolefin

Crosspolimeri S.p.A.

Message:

FRAGOM PR PR/900 ELAS is a flame retardant halogen free polyolefin thermoplastic compound.

FRAGOM PR PR/900 ELAS is a flexible flame retardant polyolefin thermoplastic compound having high temperature index and good oxygen index, suitable for cable sheathing.

Study to Crosslinking by radiations, to pass 30,000 cycles and Sadomaso test.

General Information			
Features	Flame Retardant		
	Halogen Free		
	High Heat Resistance		
Uses	Cable Jacketing		
	Wire & Cable Applications		
Agency Ratings	EN 50363 TI6-TM7		
	VDE 0207 HM2		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.53	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	3.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	41		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	9.00	MPa	IEC 60811
Tensile Strain (Break)	200	%	IEC 60811
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (120°C, 168 hr)	5.0	%	IEC 60811
Change in Tensile Strain at Break in Air (120°C, 168 hr)	-11	%	IEC 60811
Electrical	Nominal Value	Unit	Test Method
Conductivity	< 8.00	μS/mm	IEC 60754-2
Corrosive Gas in Smoke - pH	> 4.50		IEC 60754-2
Halogen Content	0	%	IEC 60754-1
Temperature Index (Burning) ¹	320	°C	NES 715
Flammability	Nominal Value	Unit	Test Method

Oxygen Index	35	%	ASTM D2863
Extrusion	Nominal Value	Unit	
Drying Temperature	60.0 to 70.0	°C	
Drying Time	2.0 to 3.0	hr	
Cylinder Zone 1 Temp.	120	°C	
Cylinder Zone 2 Temp.	135	°C	
Cylinder Zone 3 Temp.	145	°C	
Cylinder Zone 4 Temp.	160	°C	
Cylinder Zone 5 Temp.	165	°C	
Die Temperature	170 to 180	°C	
NOTE			

1. 21% O2

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