

FRAGOM PR/6 92 UV NERO

Polyolefin

Crosspolimeri S.p.A.

Message:

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

FRAGOM PR/6 92 UV NERO : is a flame retardant polyolefine thermoplastic compound having high temperature index, good oxygen index and interesting UV resistance suitable for cable sheathing.

Suitable for armored cable sheath.

Certify : CEI 2011 TM9, CEI 2022 II/III

General Information			
Features	Halogen-free		
	Flame retardancy		
Uses	Cable sheath		
Agency Ratings	CEI 2011 TM9		
	CEI 2022 II/III		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.47	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	12	g/10 min	ASTM D1238
Water absorption rate-24 hr (100°C)	13.0	g/m ²	IEC 60811
Hot pressing test-4h at 80°C -Penetratrion		%	IEC 60811
Temperature index ¹	320	°C	NES 715
Halogen Content		%	IEC 60754-1
Corrosive gases in flue gas-pH	> 4.30		IEC 60754-2
Head Temperature	185	°C	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	51		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	14.0	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)	13	%	IEC 60811
Change in Tensile Strain at Break in Air (100°C, 168 hr)	-9.0	%	IEC 60811
Change in Tensile Strength			
in Hydrocarbons	-18	%	ENI 018 100

70°C, 4 hr, in SAE 20 oil	-17	%	IEC 60811
Change in Tensile Strain at Break			
in Hydrocarbons	5.0	%	ENI 018 100
70°C, 4 hr, in SAE 20 oil	2.0	%	IEC 60811
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+14	ohms·cm	BS 6622
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	36	%	ASTM D2863
Additional Information			
Two different cooling zone are suggested; the first with temperature around 45/55 °C.			
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	120	°C	
Cylinder Zone 2 Temp.	150	°C	
Cylinder Zone 3 Temp.	160	°C	
Cylinder Zone 4 Temp.	170	°C	
Die Temperature	190 - 195	°C	
NOTE			
1.	21% O2		

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