

CROSSVINIL K/100 PLA3

Polyvinyl Chloride
Crosspolimeri S.p.A.

Message:

CROSSVINIL K/100 PLA3 is a special compound having flame retardant characteristics.
CROSSVINIL K/100 PLA3 has low halogen emissions. Suitable for extrusion of electrical cables sheathing.

General Information			
Features	Flame Retardant		
	Low Halogen Content		
Uses	Cable Jacketing		
	Wire & Cable Applications		
Agency Ratings	CEI 2011 R-RZ		
	CEI 2037		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.54	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	92		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	15.0	MPa	ASTM D638
Tensile Elongation (Break)	270	%	ASTM D638
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (100°C, 168 hr)	6.0	%	IEC 60811
Change in Tensile Strain at Break in Air (100°C, 168 hr)	-12	%	IEC 60811
Change in Tensile Stress (in Hydrocarbons)	-20	%	ENI 018 100
Change in Tensile Strain at Break (in Hydrocarbons)	-15	%	ENI 018 100
Heat Aging - 1 hr (150°C)	Pass		IEC 60811
Hot Pressure Test - Residual ¹ (90°C)	> 70.0		IEC 60811
Halogen Content	< 10	%	IEC 60754-1
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	32	%	ASTM D2863
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	150	°C	

Cylinder Zone 2 Temp.	160	°C
Cylinder Zone 3 Temp.	165	°C
Cylinder Zone 4 Temp.	170	°C
Cylinder Zone 5 Temp.	170	°C
Die Temperature	175	°C

NOTE

1. 4 hr

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