

EFRHATAN 85

Polyurethane (Polyester based)

Crosspolimeri S.p.A.

Message:

EFRHATAN 85 : is the trade-mark of our modified polyurethane.
EFRHATAN 85 : TPU polyester base; it is suitable for technical sheathing.

General Information			
Uses	Cable Jacketing		
	Wire & Cable Applications		
Forms	Pellets		
Processing Method	Extrusion		
	Wire & Cable Extrusion		

Physical	Nominal Value	Unit	Test Method
Density	1.19	g/cm ³	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	82		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	52.0	MPa	ISO 527-2
Tensile Strain (Break)	610	%	ISO 527-2
Elastomers	Nominal Value	Unit	Test Method
Tear Strength	82	kN/m	DIN 53515
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (120°C, 168 hr)	< 70	%	UL 1581
Change in Tensile Strain at Break in Air (120°C, 168 hr)	< 70	%	UL 1581
Change in Tensile Stress (121°C, 18 hr, in ASTM #2 Oil)	< 70	%	UL 1581
Change in Tensile Strain at Break (121°C, 18 hr, in ASTM #2 Oil)	< 70	%	UL 1581
Thermal	Nominal Value	Unit	Test Method
Cold Flexibility	-30	°C	ISO 458
Exercise Temperature	90	°C	
Thermal Stability	> 1	hr	ISO R 182
Head Temperature	200	°C	
Flammability	Nominal Value	Unit	Test Method
Oxygen Index	23	%	ISO 4589-2
Extrusion	Nominal Value	Unit	
Drying Temperature	90.0	°C	

Drying Time	3.0 to 6.0	hr
Cylinder Zone 1 Temp.	170	°C
Cylinder Zone 2 Temp.	180	°C
Cylinder Zone 3 Temp.	190	°C
Cylinder Zone 4 Temp.	210	°C
Die Temperature	190	°C

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