

## HFI 147 / RN

Intended for general use

Electrical			
Properties	Method	Conditions	Value
Dielectric constant	IEC 60250	0.1 kHz 1.0 MHz	4.2 3.7
Dielectric strength	-	-	-
Dissipation factor	IEC 60250	100 Hz	0.0157
Volume resistivity	Internal	25 °C 90 °C	10 <sup>^15</sup> Ω x cm 10 <sup>^11</sup> Ω x cm

Physical			
Properties	Method	Conditions	Value
Density	ISO 1183	-	1.3 g/cm <sup>3</sup>
Elongation at break	IEC 60811-501	50 mm/min	500 %
Hardness	ISO R 868	-	61 D
Radiation resistance	-	-	-
Tensile strength	IEC 60811-501	50 mm/min	30 MPa
Water absorption	-	-	-

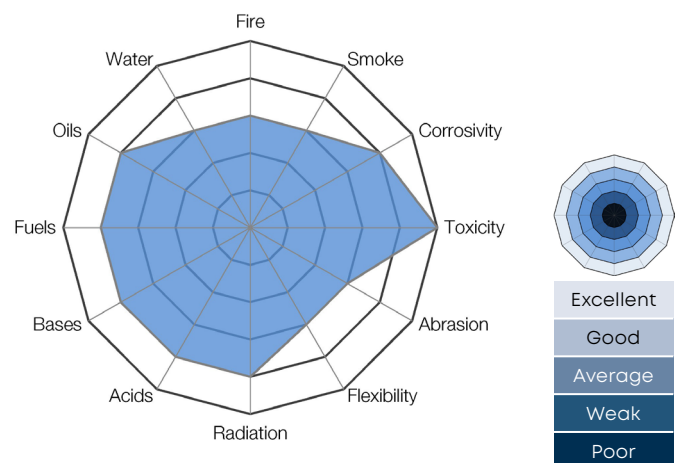
Thermal			
Properties	Method	Conditions	Value
Combustion corrosivity	-	-	-
Continuous temperature rating	BS 3G 230, Test 20	20,000 hrs	+140 °C
Flammability	UL 94	0.75 mm	V-2
Flame propagation	IEC 60332-1-2	Dependent on cable design	Pass
Oxygen index	-	-	-
Smoke density	IEC 61034-2	Dependent on cable design	Pass
Smoke index	-	-	-
Temperature index	-	-	-
Toxicity index	IMO FTPC Appendix 3	-	Pass

### Properties

HFI 147 is a thin-wall, general purpose Halogen Free Flame Retardant (HFFR) insulation material.

HFI 147 is a tough material with good mechanical properties and good all-round chemical resistance.

Important: Habia Cable has compiled the information contained herein from what it believes to be accurate and factual sources as of the date printed. Data is based on typical values and might vary depending on cable construction and processing method. Any changes in the data will be made without notification.



Available colours (shades may vary from material to material)



Characteristics and key properties

Intended use Insulation	Intended use Small / Inner sheath					Temp installation <b>-40°C</b>	Temp low <b>-40°C</b>	Temp >20,000 hrs <b>+140°C</b>	Temp peak <b>+160°C</b>
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