

HFR 150 / Si

Intended for general use

Electrical			
Properties	Method	Conditions	Value
Dielectric constant	DIN 53483 / VDE 0303 p4	-	3.0
Dielectric strength	-	-	-
Dissipation factor	DIN 53483 / VDE 0303 p4	50 Hz	0.005
Volume resistivity	-	-	10 ¹¹ Ω x cm

Physical			
Properties	Method	Conditions	Value
Density	DIN 53479	-	1.2 g/cm ³
Elongation at break	IEC 60811-501	50 mm/min	250 %
Hardness	DIN 53505	-	> 70 A
Radiation resistance	Internal	-	10 ¹⁵ Gy
Tensile strength	IEC 60811-501	50 mm/min	7 MPa
Water absorption	-	-	-

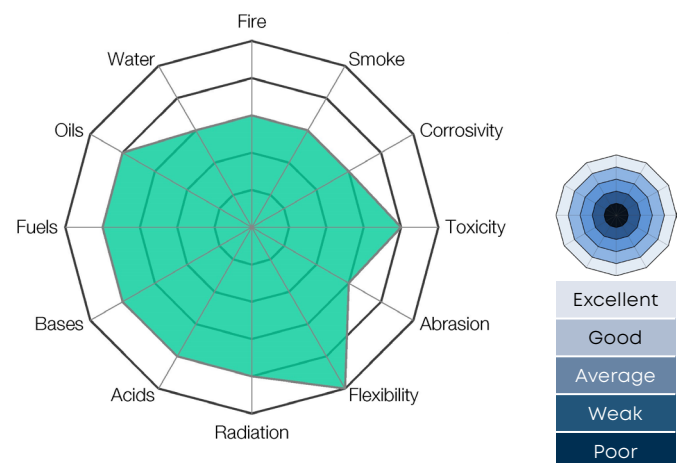
Thermal			
Properties	Method	Conditions	Value
Combustion corrosivity	-	-	-
Continuous temperature rating	IEC 60216	20,000 hrs	+ 180 °C
Flammability	-	-	-
Flame propagation	IEC 60332-1-2	Dependent on cable design	Pass
Oxygen index	-	-	-
Smoke density	-	-	-
Smoke index	-	-	-
Temperature index	-	-	-
Toxicity index	-	-	-

Properties

HFR 150 is a very flexible rubber material ideal for use in higher temperatures. Although there is a trace of chlorine among the additives used, it is low enough to enable the material to be rated as halogen free.

There are many different grades of HFR 150 available with different properties including abrasion resistant, FDA and BfR XV approved types. Note: not all types can be supplied in all colours.

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	Intended use	Intended use	Temp installation	Temp low	Temp >20,000 hrs	Temp peak
Insulation	Small / Inner sheath	Outer sheath	-60°C	-60°C	+180°C	+190°C

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