

FPI 155 / H-Z

Intended for general use

Electrical			
Properties	Method	Conditions	Value
Dielectric constant	ASTM D 150	0.1 kHz 10 MHz	2.6 2.6
Dielectric strength	-	-	-
Dissipation factor	ASTM D 150	0.1 kHz 10 MHz	0.001 0.004
Volume resistivity	Internal	25 °C 90 °C	10 ¹⁶ Ω x cm 10 ¹⁶ Ω x cm

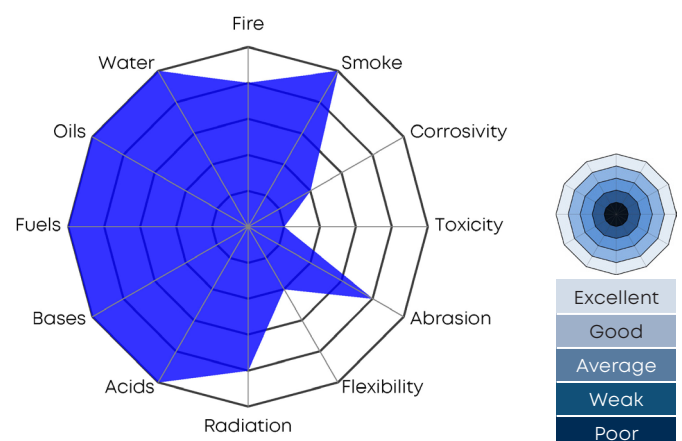
Physical			
Properties	Method	Conditions	Value
Density	ASTM D 792	-	1.7 g/cm ³
Elongation at break	IEC 60811-501	50 mm/min	250 %
Hardness	ASTM D 2240	-	67 D
Radiation resistance	IEC 60544	-	10 ¹⁵ Gy
Tensile strength	IEC 60811-501	50 mm/min	> 35 MPa
Water absorption	ASTM D 570	25 °C	< 0.01 %

Thermal			
Properties	Method	Conditions	Value
Combustion corrosivity	DIN 57472-813	pH Conductivity	2.6 2700 µS/cm
Continuous temperature rating	EN 50306-2	20,000 hrs	+ 155 °C
Flammability	UL 94	1.6 mm	V-0
Flame propagation	IEC 60332-1-2	Dependent on cable design	Pass
Oxygen index	ASTM D 2863	-	31 %
Smoke density	ASTM E 662	Flaming Non-flaming	300 20
Smoke index	Def Stan 02-711	per m wire	1
Temperature index	Def Stan 02-715	-	290 °C
Toxicity index	Def Stan 02-713	per m wire	5

Properties

FPI 155 is the most rugged material in the FPI series allowing it to be produced with very thin walls and still be able to withstand enormous physical punishment. This, along with its low friction properties make it suitable for applications requiring a long flex-life. Although it is not halogen free, good electrical properties, excellent all-round fire and chemical resistance and a broad operating temperature range make FPI 155 ideal for use in a wide range of environments.

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

Insulation	Small / Inner sheath	Outer sheath	-100°C Low temp	+170°C High temp
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DISCLAIMER: Information is indicative and cannot be considered a binding representation or warranty for products and their use. Valid at the time of publication, it is subject to change without notice. Data indicates nominal values in millimetres (mm) unless otherwise stated.