

FPI 260 A / H-A

Intended for general use

Electrical			
Properties	Method	Conditions	Value
Dielectric constant	ASTM D 150	0.1 kHz 100 MHz	2.1 2.1
Dielectric strength	ASTM D 149	0.25 mm film 3.2 mm sheet	> 80 kV/mm 20 kV/mm
Dissipation factor	ASTM D 150	0.1 kHz 100 MHz	0.0001 0.0003
Volume resistivity	Internal	+90 °C	10 ¹⁶ Ω x cm

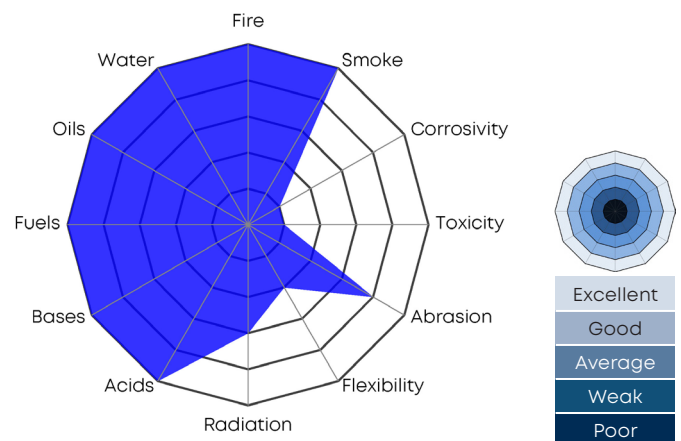
Physical			
Properties	Method	Conditions	Value
Density	ASTM D 792	-	2.15 g/cm ³
Elongation at break	IEC 60811-501	50 mm/min	200 %
Hardness	ASTM D 2240	-	60 D
Radiation resistance	IEC 60544	-	10 ⁴ Gy
Tensile strength	IEC 60811-1-1	50 mm/min	22 MPa
Water absorption	ASTM D 570	25 °C	< 0.03 %

Thermal			
Properties	Method	Conditions	Value
Combustion corrosivity	DIN 57472-813	pH Conductivity	2.3 2700 µS/cm
Continuous temperature rating	IEC 60216	20,000 hrs	+ 260 °C
Flammability	UL 94	1.6 mm	V-0
Flame propagation	-	-	-
Oxygen index	ASTM D 2863	-	> 95 %
Smoke density	ASTM E 662	Flaming Non-flaming	< 10 < 10
Smoke index	-	-	-
Temperature index	Def Stan 02-715	-	> 400 °C
Toxicity index	-	-	-

Properties

FPI 260 A has some of the best electrical properties available. With excellent chemical and fluid resistance properties and the ability to be processed with all standard copper conductors, only its relatively high cost prevents it from being more widely used. Although halogenated as all the FPI series are, it is highly flame retardant and generates very little smoke under fire conditions. FPI 260 A also exhibits very low out-gassing levels.

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	-200°C Low temp	+260°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.