

FPI 260 B / H-E

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	0.38 mm	24 kV/mm
Dissipation factor	ASTM D 150	0.1 kHz 100 MHz	0.0001 0.0002
Volume resistivity	Internal	90 °C	10 ¹⁶ Ω x cm

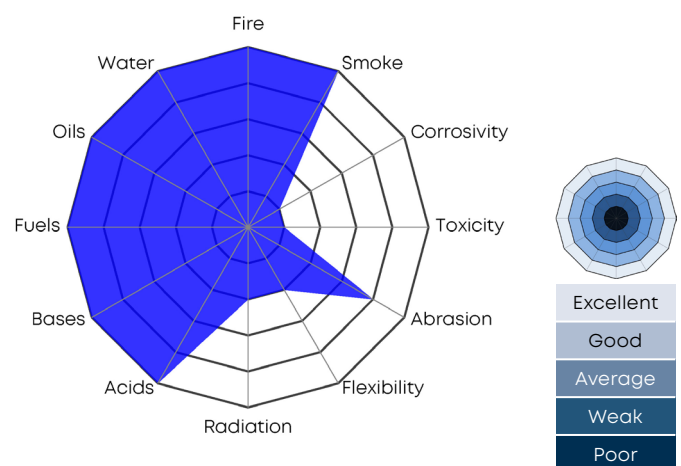
Physical			
Properties	Method	Conditions	Value
Density	ASTM D 792	-	2.2 g/cm ³
Elongation at break	IEC 60811-501	50 mm/min	300 %
Hardness	ASTM D 2240	-	58 D
Radiation resistance	IEC 60544	-	10 ¹³ Gy
Tensile strength	IEC 60811-501	50 mm/min	32 MPa
Water absorption	ASTM D 570	-	< 0.01 %

Thermal			
Properties	Method	Conditions	Value
Combustion corrosivity	DIN 57472-813	pH Conductivity	2.2 4100 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 B has the best electrical properties of the entire FPI series. With very good chemical properties and excellent fluid resistance only alkali metals and the most corrosive of chemicals under high pressure and temperature can attack FPI 260 B. Although halogenated, it is highly flame retardant and generates very little smoke under fire conditions.

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 -200°C	Temp low -75°C	Temp >20,000 hrs +260°C	Temp peak +260°C
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