

TWI 205 / H

Intended for general use

Electrical			
Properties	Method	Conditions	Value
Dielectric constant	ASTM D 150	1 kHz	3.1
Dielectric strength	ASTM D 149	60 Hz	272 kV/mm
Dissipation factor	ASTM D 150	1 kHz	0.0015
Volume resistivity	ASTM D 257	-	1.4 x 10 ¹⁷ Ω - cm

Physical			
Properties	Method	Conditions	Value
Density	ASTM D 1505	1 kHz	1.53 g/cm ³
Elongation at break	ASTM D 882	23 °C 200 °C	75 % 80 %
Hardness	-	-	-
Radiation resistance	-	-	-
Tensile strength	ASTM D 882	23 °C 200 °C	207 MPa 121 MPa
Water absorption	ASTM D 570	50% Relative humidity at 23°C	1.3 %

Thermal			
Properties	Method	Conditions	Value
Combustion corrosivity	-	-	-
Continuous temperature rating	-	-	-
Flammability	-	-	-
Flame propagation	-	-	-
Oxygen index	-	-	-
Smoke density	-	-	-
Smoke index	-	-	-
Temperature index	-	-	-
Toxicity index	-	-	-

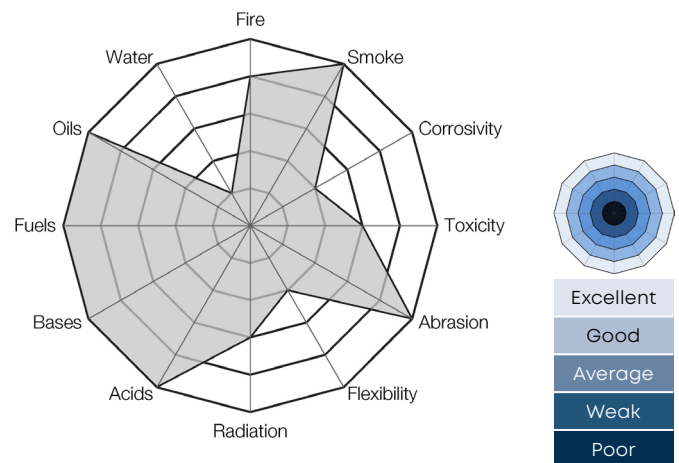
Properties

TWI 205 is a tape-wrapped insulation, mechanically tough with high abrasion resistance and able to withstand extremes of temperature.

Although TWI 205 is not strictly a fluoropolymer material itself, the tape uses a very thin fluoropolymer backing 'glue' in order to allow it to be sintered and sealed as an insulation. TWI 205 itself is halogen free, but the glue layer is not.

TWI 205 has excellent all-round performance but can be susceptible to water (wet arc-tracking).

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					-200°C	-75°C	+200°C	+200°C

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