

3M E-FIS Fire Barrier Expantrol Flexible Intumescent Strip

Category : Other Engineering Material

Material Notes:

3M Fire Barrier E-FIS has been designed to seal the air space between doors and frames and for glazing fire resistant glass to help prevent the passage of smoke and flames in the event of a fire. When exposed to heat such as would occur in a fire, the material expands to seal the gap and forms a char to deter the spread of a fire. This expansion or intumescence of the material helps prevent noxious gases, flames or other by-products that may be produced in a fire from penetrating into adjacent areas. Information provided by 3M

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-E-FIS-Fire-Barrier-Expantrol-Flexible-Intumescent-Strip.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	81	81	
Tensile Strength at Break	1.99 MPa	289 psi	ASTM D412-83
Elongation at Break	903 %	903 %	ASTM D412-83

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.410 W/m-K	2.85 BTU-in/hr-ft ² -°F	ASTM C518
	@Thickness 3.17 mm, Temperature 66.0 °C	@Thickness 0.125 in, Temperature 151 °F	
	0.410 W/m-K	2.85 BTU-in/hr-ft ² -°F	ASTM C518
	@Thickness 3.17 mm, Temperature 86.0 °C	@Thickness 0.125 in, Temperature 187 °F	
	0.420 W/m-K	2.91 BTU-in/hr-ft ² -°F	ASTM C518
	@Thickness 3.17 mm, Temperature 47.0 °C	@Thickness 0.125 in, Temperature 117 °F	

Descriptive Properties	Value	Comments
Appearance	Red-Brown	

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