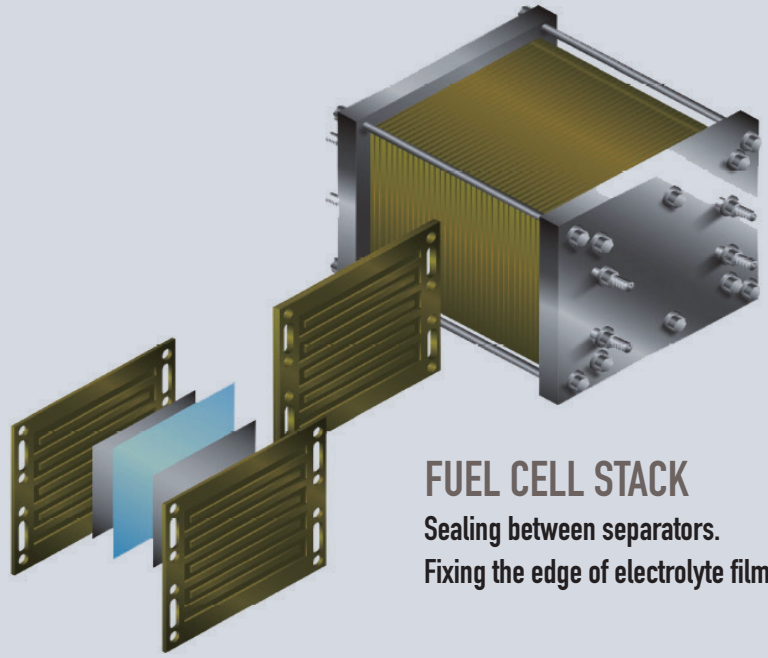


PRODUCT SPOTLIGHT

TB1153E / TB3158 / TB3178 Single-Component Heat Curing Olefin Sealant



FUEL CELL STACK

Sealing between separators.

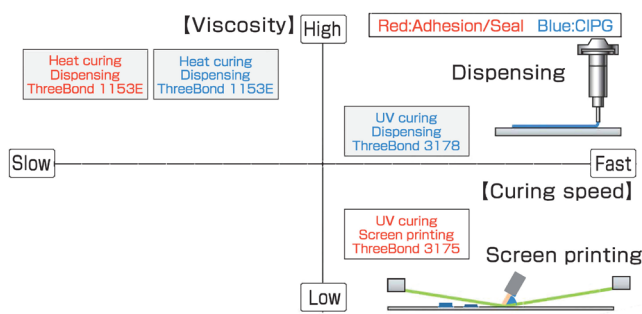
Fixing the edge of electrolyte film.

PROPERTIES

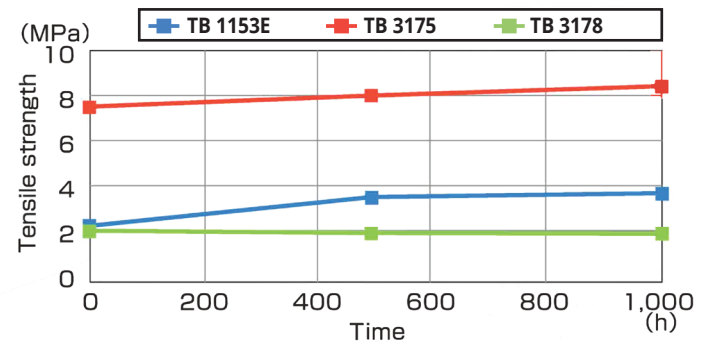
Test item	Unit	ThreeBond 1153E	ThreeBond 3175	ThreeBond 3178	Remarks
Recommended application method	-	Dispensing	Screen printing	Dispensing	-
Curing method	-	Heating	Visible light-UV irradiation	Visible light-UV irradiation	*1
Main component	-	Polyolefin	Polyolefin	Polyolefin	-
Appearance	-	Gray	White	White	-
Viscosity	Pa·s	850	8.0	155	23°C
Hardness	-	A38	A77	A29	-
Tensile strength	MPa	2.4	7.1	1.9	-
Elongation	%	320	455	350	-
H ₂ gas permeability coefficient	*2	1.8×10^{-14}	2.3×10^{-15}	5.8×10^{-15}	t=1.0mm

*1Curing condition:ThreeBond 1153E=130°Cx90min, ThreeBond 3175=Integral of light 50kJ/m², ThreeBond 3178=Integral of light 40kJ/m² *2=mol·m/m²·s·Pa

PRODUCT CHART



HEAT RESISTANCE (120°C)



FEATURES

Applicable product line-up for FIPG·CIPG·Screen printing processes.

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Excellent chemical resistance.

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