TRU-FIT® FIBERGLASS SHANK MATERIAL
DATA SHEET

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American & Schoen's fully catalyzed thermosetting *Tru-Fit® Fiberglass Shank* offers a composite with superior mechanical properties combined with a very high level of corrosion resistance. The uncured material has a shelf life in excess of 3 years, when stored in conditions below 140°F and not in direct sunlight, is just one of the unique properties *Tru-Fit® Shank Material* exhibits.

A thin plastic sleeve encases the *Tru-Fit® Material* and allows for clean, dry ease of handling. Fast curing is another feature evident with this material.

Curing speeds using the ASF Reflector Curing System are as follows

Material Type	***Amperage to Reflector Bulb***	***Curing Time***
TF-21, 22, 26	7.2 amps	7 seconds
TF-32	7.5 amps	8 seconds
TF-33	7.5 amps	9 seconds

Curing speeds using the ATP curing mold are as follows—

Material Type	***Curing Temperatures***	***Curing Time***
TF-P10N5	360°F	15 seconds
TF-P16N10	360°F	15 seconds
TF-P20N10	360°F	20 seconds
TF-P28N12	360°F	20 seconds

Curing times may vary depending upon condition of equipment, testing is recommended to insure complete curing is accomplished.

CURED TRU-FIT® SHANK PROPERTIES
(the following values generated from standard production run samples)

Resin Content (uncured)	25% ± 3% by weight
Tensile Strength (ASTM D 3039)	150,000 psi
Tensile Modulus (ASTM D 3039)	6.42×10^6 psi
Flexural Modulus (ASTM D 790) @ 73°F @ 300°F for 100 hrs. @ 500°F for 100 hrs.	 5.3×10^6 psi 5.41×10^6 psi 5.73×10^6 psi

Flexural Strength (ASTM D 790) @ 73°F @ 300°F for 100 hrs. @ 500°F for 100 hrs.	 143,000 psi 153,000 psi 134,000 psi
Interlaminar Shear (ASTM D 2344)	9420 psi
Compressive Strength (ASTM D 695 with supporting jig)	81,640 psi
Izod Impact Strength (ASTM D 256)	>80 ft. lb./inch of notch (no break)
Linear Thermal Expansion (ASTM D 696)	0.562×10^{-5} in./in./ °C 0.313×10^{-5} in./in./ °F
Water Absorption (ASTM D 570)	0.089%
Barcol Hardness (ASTM D 2583)	72.5

NOTE: Tru-Fit® Material has very good adhesion and therefore we recommend that beeswax be used as a mold release agent when curing against metal surfaces.

The aforementioned property data was based on lab test samples 1/8" thick x 1" wide.

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