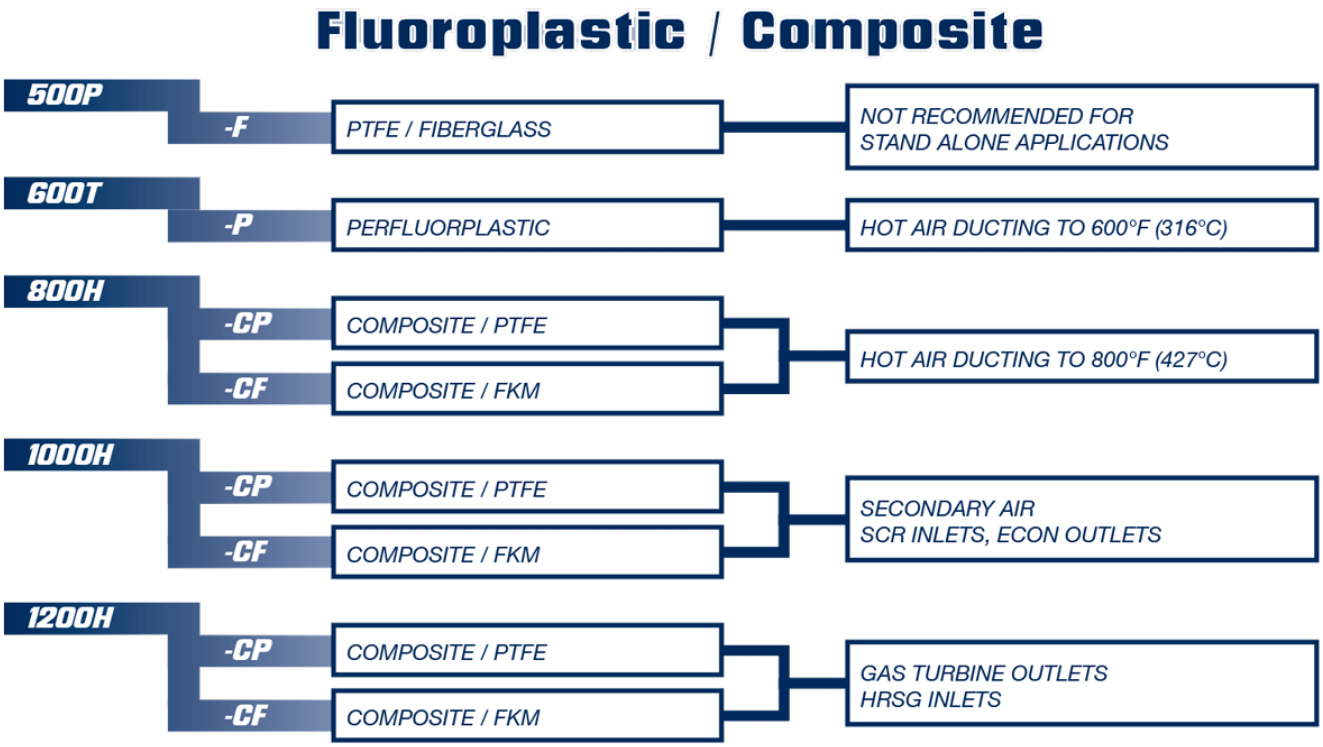
Composite – Materials / Applications



Materials

500P

PTFE (Polytetrafluoroethylene)
Fiber glass reinforced PTFE with a zero porosity gas barrier, mechanically bonded. For use in wet or dry service up to 575°F (302°C). Provides outer cover & gas seal for composite expansion joints.
TEMPERATURE LIMIT: 575°F (302°C), CONTINUOUS

600T

PTFE (Polytetrafluoroethylene)
Perfluoroplastic composite, laminated with a nonwoven insulation component that gives both strength & resiliency. The insulation component can prevent "hot spots" from forming on the belt.
TEMPERATURE LIMIT: 700°F (371°C), CONTINUOUS

800H
1000H

COMPOSITE
Multiple layers of PTFE (gas seal), insulation & woven fabric or knitted wire. Used in air & gas applications up to 750°F (399°C) & 2 PSIG & 1000°F (538°C) with a 4 inch insulation pillow. Primary gas seals available when gas dew point is a concern.
TEMPERATURE LIMIT: 750°F (399°C), TO 1000°F (538°C), CONTINUOUS

1200H

COMPOSITE
Multiple layers of PTFE (gas seal), insulation & woven fabric or knitted wire. Used in temperatures above 1000°F (538°C) in gas turbine type applications where heavy cycling, radial growth, hot spots & large movements are expected. Insulation pillows can be provided with 304 SS foil to prevent flyash build up in joint cavity.
TEMPERATURE LIMIT: 1000°F (538°C), TO 1200°F (649°C), CONTINUOUS