

Compressed CARBON FIBER Sheet

7700

PHYSICAL PRODUCT DATA

Temperature: Minimum		-40°F (-40°C)
Maximum		840°F (450°C)
Pressure Limits:		vacuum to 1900 psi (130 bar)
Physical Properties:		
Compressibility	ASTM F 36	10% (Tested under 5000 psi)
Recovery	ASTM F 36	60%
Creep Relaxation	ASTM F 38	28%
Tensile Strength	ASTM F 152	2,460 psi (Across Grain)
Density	ASTM F1315	1.68 gm/cc
Ignition Loss	ASTM F 495	42%
Weight Increase After 5 Hour Immersion:		
ASTM IRM 903 @ +300°F (+150°C)		10%
ASTM Fuel B @ +70-85°F (+21-29°C)		9%
Thickness Increase After 5 Hour Immersions:		
ASTM IRM 903 @+300°F (+150°C)		7%
ASTM Fuel B @ +70-85°F (+21-29°C)		7%
Available Sheet Sizes:		
Thicknesses		1/64", 1/32", 1/16", 3/32", 1/8"
Sheet Size		59" X 63", 59" X 126", 118" X 126"
ASTM Line Call Out:	ASTM F104	F713131-B4E22M6
COLOR:	Black	

Construction & Application Parameters

Style 7700 is a compressed synthetic fiber gasket material made from carbon and graphite fibers and bonded with Nitrile (Buna-N, NBR) rubber. The sheet is manufactured through a hot calender process with rigorous quality control standards that are registered under ISO-9002 certification. This is a premium material that has been designed to handle the extremes of pressure and temperature, and it cuts very easily and cleanly. Style 7700 is suitable for service in mild inorganic and organic acids, concentrated and diluted alkalis, brine, saturated steam, water, air and industrial gases, Oils-animal, synthetic & vegetable, aliphatic and aromatic solvents, chlorinated and oxygenated solvents, refrigerants, petroleum products and general chemical.