

Product Specification Sheet

GW8020

GW8020 is an asbestos-free medium density material with good heat and flame resistance, and low thermal conductivity. GW8020 is composed of high inorganic materials, with inorganic fibers, fillers, and a temperature resistant nitrile butadiene rubber binder system. The material is designed for use as cylinder head facing material heat resistant and insulative exhaust system. It can combine easily with metal cores and has good crush resistance, oil resistance and low creep relaxation properties. It is suitable for Original Equipment and after-market use. GW8020 has an upper short duration temperature limit of 800°C.

Specification Properties:

Property	Unit	Value	Test Method
Density	g/cm ³	1.0– 1.2	ASTM F1315
Tensile Strength, AMD	MPa	≥ 3.0	ASTM F152
Compressibility (34.5 MPa)	%	15 - 35	ASTM F36
Recovery	%	≥ 25	ASTM F36
Creep Relaxation	%	≤ 25	ASTM F38
LOI @ 800 °C	%	≤ 25	ASTM F495
Fluid Immersion, IRM 903 Oil (150°C×5h)			ASTM F146
Change in Weight	%	≤ 35	
Change in Thickness	%	≤ 10	
Fluid Immersion, Fuel B (RT×5h)			
Change in weight	%	≤ 30	
Change in Thickness	%	≤ 10	