

MILBRO REFRACTORIES, INC.

MILPLAS SCP 80

MILPLAS SCP 80 is a high purity, silicon carbide, chemically bonded plastic. Extremely workable with excellent abrasion and erosion resistance. Outstanding strength throughout the temperature range. MILPLAS SCP 80 is on-wetting.

Service Temperature	3200° F
Melting Point	3275° F
Material Required for Estimating	155 lbs./ft³

TYPICAL CHEMICAL ANALYSIS

SiC, C	79.3
Al ₂ O ₃	15.4
SiO ₂	3.6
Fe ₂ O ₃	0.8
TiO ₂	0.5
MgO	trace

TYPICAL PHYSICAL PROPERTIES

Temperature °F	Modulus of Rupture, psi	Cold Crushing Strength, psi	Linear change %
1000°F	500-650	2400-2800	0.2 S
2000°F	700-900	3200-3600	0.1 S
3000°F	1150-1400	4800-5400	0.1 E

All data shown is based on average of standard ASTM procedures, unless otherwise indicated. Results are subject to reasonable deviation and should not be used for specification purposes.