



Ceramic Fiber Enterprises

Typical Product Properties

Coating Cements and Rigidizers

Physical Properties	Liquid Heat Shield	Rigid-izer & Rigidizer S	Rigid-izer HT	Module Armor	Module Armor 2600	Module Armor 3000
Appearance	Tan Paint	Blue	White	White-Lt. Gray	White-Lt. Gray	White-Lt. Gray
Temperature Grade	2300°F	2300°F	3092°F	2300°F	2600°F	3000°F
Recommened Operating Temp.	2150°F	2000°F	2900°F	2150°F	2450°F	2850°F
Nominal Layer Thickness	0.10"	-	-	1/8"	1/8"	1/8"
Approx. Coverage Per Layer (SF/Gal)	50-100	100-200	100-200	8-10	8-10	8-10
Net Weight/Gal (lbs/gal)	15	10	11	8	8	8
Linear Shrinkage (% 24 Hts.)	-	-	-	2.5"-3.5" @ 2150°F	2.5"-3.5" @ 2150°F	2.5"-3.5" @ 2150°F
Approx. Dielectric Strength (Volts/Mil)	39	-	-	-	-	-

CFE Moldables and Pumpables

Physical Properties	Moldable	Moldable-AL	Moldable 2600	Moldable 3000	ThermalXtreme HD	ThermalXtreme HD 3000
Appearance	White-Lt. Gray	White-Lt. Gray	White-Lt. Gray	White-Lt. Gray	White-Lt. Gray	White-Lt. Gray
Temperature Grade	2300°F	2300°F	2600°F	3000°F	2300°F	3000°F
Recommened Operating Temp.	2150°F	2150°F	2450°F	2850°F	2150°F	2850°F
Solids %	40-50	40-50	40-50	40-50	40-50	40-50
Wet Density (lb/ft³)	75-85	75-85	75-85	75-85	80-90	80-90
Dry Sensity (lb/ft³)	40-50	40-50	40-50	40-50	45-55	45-55
LOI %	5	55	5	5	5	5
Shrinkage %	4" @ 2150°F	4" @ 2150°F	4" @ 2450°F	4" @ 2850°F	4" @ 2150°F	4" @ 2850°F
Molten Aluminum Wetting Resistance	GOOD	EXCELLENT	GOOD	GOOD	EXCELLENT	EXCELLENT
Physical Properties	Pumpable HSR	Pumpable HSR 2600°	Pumpable HSR 3000°			
Appearance	White-Lt. Gray	White-Lt. Gray	White-Lt. Gray			
Temperature Grade	2300°F	2600°F	3000°F			
Recommened Operating Temp.	2150°F	2450°F	2850°F			
Solids %	25-30	25-30	25-30			
Wet Density (lb/ft³)	65-75	65-75	65-75			
Dry Sensity (lb/ft³)	25	25	25			
LOI %	3-4	3-4	3-4			
Shrinkage %	6" @ 2150°F	6" @ 2450°F	6" @ 2850°F			
Molten Aluminum Wetting Resistance	GOOD	GOOD	GOOD			