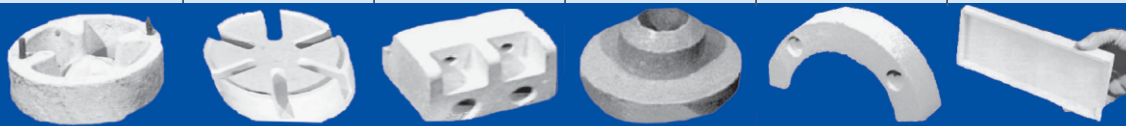


RESCOR™ CER- CAST CERAMIC

Easy to use, Economical, Fast Setting and High Strength

Fused Silica - Zirconium Oxide - Silicon Carbide - Alumina

Cat. No.	740	750	760	770	780	RTC-60
Description	Insulating Foam	Shock Resistant	Ultra Temp.	Corrosion Resistance	General Purpose	High Purity
Maximum Temp	2300°F	2700°F	4000°F	2700°F	3000°F	3250°F
Base	Al ₂ O ₃ -SiO ₂	SiO ₂	ZrO	SiC	Al ₂ O ₃	Al ₂ O ₃
Standard Grades Sample Castings						
Properties						
Density (# / ft ³) (in ³ /10 # kit)	54 223	110 157	250 69	145 119	180 96	175 98
Shrinkage (% as cast) % @ 1000°F	0.50 1.00	NIL 1.30	NIL 1.00	NIL 1.50	NIL 1.00	NIL 1.25
Compressive Strength (psi)	1,500	6,000	4,000	6,000	6,000	2,500
Modules of Rupture (psi)	900	1,500	1,200	1,500	1,800	1,000
Thermal Exp. (x10 ⁻⁶ /°F)	4.50	0.30	5.60	4.50	4	4
Thermal Cond. (BTU in/hr°F ²)	1	4	6.5	30	10	10
Dielectric Strength (volts/mil)	100	100	N.A.	N.A.	200	175
Volumetric Resistance (ohm-cm)	10 ⁹	10 ⁹	N.A.	N.A.	10 ⁹	10 ¹⁰
Moisture Resistance	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Color	Tan	White	Tan	Black	White	White
Mix Ratio (base/activator)	100/64	100/28	100/18	100/24	100/24	100/10
Working Time (minutes)	20	20	20	20	20	25

Cat. No.	Description	lbs./Kit
740-1.....	Insulating Foam.....	10
740-2.....	Insulating Foam.....	50
740-3.....	Insulating Foam.....	100
750-1.....	Fused Silica.....	10
750-2.....	Fused Silica.....	50
750-3.....	Fused Silica.....	100
760-1.....	Zirconium Oxide.....	10
760-2.....	Zirconium Oxide.....	50
760-3.....	Zirconium Oxide.....	100
770-1.....	Silicon Carbide.....	10
770-2.....	Silicon Carbide.....	50
770-3.....	Silicon Carbide.....	100

Cat. No.	Description	lbs./Kit
780-1.....	Alumina Oxide.....	10
780-2.....	Alumina Oxide.....	50
780-3.....	Alumina Oxide.....	100
RTC-60-2*.....	Alumina Oxide.....	10
RTC-60-3.....	Alumina Oxide.....	Kit

(5 lbs. reg and 5 lbs. fine)

* For RTC-60 Specify Regular or Fine Grade Material

Mold Making Materials & Mold Release See pg 62 for Details

Cat. No.	Description	Size
101.....	Mold Making Material.....	Gallon Kit
101 MR.....	Mold Release (Spray-On).....	12 oz.
101MRCP.....	Case Pack of 12.....	12 oz cans
102MR.....	Mold Release (Paste).....	1 lb
103MR.....	Mold Release.....	16 oz.

(Pump-Spray-On)