

## WET RAMMABLES for FOUNDRY

### PHOSPHATE BONDED

Product	Al <sub>2</sub> O <sub>3</sub> %	SiO <sub>2</sub> %	Cr <sub>2</sub> O <sub>3</sub> %	Density (g/cm <sup>3</sup> / lb/ft <sup>3</sup> )	Temperature Limit
RAM 482A-W	78.3	15.1	-	2.76 / 172	1760°C (3200°F)
MINRO-AL® RAM A60-W	95.3	3.7	-	2.96 / 185	1815°C (3300°F)
OXAL 95 R	93.6	3.2	-	3.20 / 200	1815°C (3300°F)
AC RAM	84.8	2.9	10.3	3.28 / 205	1815°C (3300°F)

### AIR-SET BONDED

Product	Al <sub>2</sub> O <sub>3</sub> %	SiO <sub>2</sub> %	Density (g/cm <sup>3</sup> / lb/ft <sup>3</sup> )	Temperature Limit
MINRO-AL® RAM A51-W	91.8	1.8	2.96 / 185	1760°C (3200°F)
MINRO-AL® PATCH A53-W	93.3	3.7	2.40 / 150	1760°C (3200°F)
MINRO-AL® PATCH A59-W FINE	95.5	2.8	2.76 / 172	1760°C (3200°F)
HI AL RAM 80	83.6	10.4	2.95 / 184	1760°C (3200°F)

### HEAT-SET BONDED

Product	Al <sub>2</sub> O <sub>3</sub> %	SiO <sub>2</sub> %	Density (g/cm <sup>3</sup> / lb/ft <sup>3</sup> )	Temperature Limit
MINRO-AL® RAM A31-W	88.6	7.0	3.13 / 195	1705°C (3100°F)
MINRO-AL® RAM A34-W	75.9	9.0	2.56 / 160	1650°C (3000°F)
LADLE RAM	59.8	37.8	2.69-2.77 / 168-173	1705°C (3100°F)

### GRAPHITIC RAM

Product	Al <sub>2</sub> O <sub>3</sub> %	SiO <sub>2</sub> %	Density (g/cm <sup>3</sup> / lb/ft <sup>3</sup> )	Temperature Limit
HI AL RAM G 410	73.5	9.6	2.79 / 174	1705°C (3100°F)
CW 469 RAM	67.9	1.7	3.16 / 197	1650°C (3000°F)

