

Comparison of All Types of PMC®

	Firing Temp. (F/C)	Time	Shrinkage	Elongation	Tensile Strength	Bending Strength	Surface Hardness
Original PMC®	1650 (900)	two hours	25–30%	15%	60 N/mm ²	30 N/mm ²	30 HV

PMC+™	1650 (900)	10 minutes	10–15%	30%	130 N/mm ²	50 N/mm ²	30 HV
	1560 (850)	20 minutes	10–15%	25%	120 N/mm ²	75 N/mm ²	30 HV
	1470 (800)	30 minutes	10–15%	22%	110 N/mm ²	90 N/mm ²	30 HV
	1650 (900)	two hours	10–15%	35%	145 N/mm ²	35 N/mm ²	30 HV

PMC3™	1290 (700)	10 minutes	10–15%	15%	70 N/mm ²	60 N/mm ²	30 HV
	1200 (650)	20 minutes	10–15%	15%	70 N/mm ²	75 N/mm ²	30 HV
	1110 (600)	30 minutes	10–15%	13%	60 N/mm ²	80 N/mm ²	30 HV
	1650 (900)	two hours	10–15%	35%	140 N/mm ²	30 N/mm ²	30 HV

PMC Pro™	1400 (760)*	30 minutes	15–20%	30%	210 N/mm ²	170 N/mm ²	60 HV
	1400 (760)*	one hour	15–20%	30%	210 N/mm ²	170 N/mm ²	60 HV
	1400 (760)*	two hours	15–20%	32%	220 N/mm ²	175 N/mm ²	60 HV

*(fired in activated carbon)

Courtesy of Mitsubishi Materials Corporation



PMCGUILD