

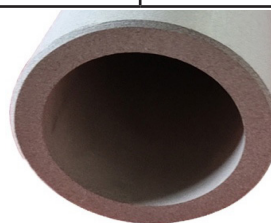
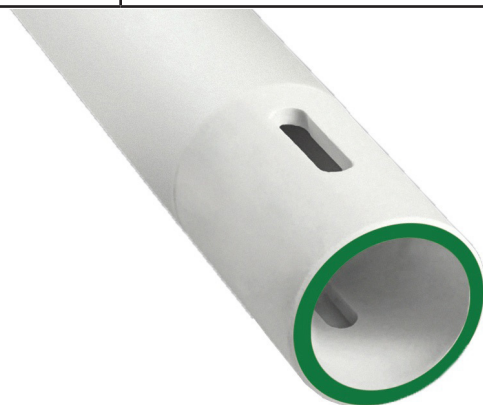


# THERMOCONTROL

## SPECIFICATION OF THMC SILICON CARBIDE COMPOSITE ROLLER

## SPECIFICATION OF THA-99 CERAMIC ROLLER

Characteristic	Items	Unit	Type	
			THMC	THA-99
Physical index	Max.Service Temperature	°C	1050	1400
	Rate of Water Absorption	%	8.0-10.0	3.0-5.0
	Anti-bending Strength	Mpa	55-65	70-80
	Thermal Shock Resistance	/	Excellent	Excellent
	Coefficient of thermal expansion (*10/°C) (25°C-1000°C)	%	4.6	5.4
	Density	g/cm3	2.2-2.4	2.6-2.7
	Apparent porosity	%	22-24	15-20
Chemical Composition	Al <sub>2</sub> O <sub>3</sub>	%	20-25	78-80
	SIC+SIO <sub>2</sub>	%	70-75	15-17
	ZrO <sub>2</sub>	%	-	5.0-8.0



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