



➤ Comparison between Aluminous Porcelain Vs Recrystallised Alumina

GRADE	C610	C799
Equivalent to	Aluminous Porcelain/ Pythagoras	Recrystallised Alumina/ Alsint
CHEMICAL ANALYSIS		
AL ₂ O ₃ Min	60	99.7
PHYSICAL PROPERTIES		
Color	White	Pink/Ivory/White
Sp.Gr.-gms/cc	2.8	3.9
Water Absorption	0	0
Max.Service Temp-deg C	1450	1800
Gas Permeability	Nil	Nil

NOTE : ALL CERAMICS ARE SUPPLIED TO COARSE TOLERANCES OF DIN 40680

➤ C610 Material Thermocouple Tube Closed At One End (Min. 60% alumina content)

Product Code	OD (mm)	ID (mm)	Length
HKTCT610-1	8	5	730
HKTCT610-2	10	6	780
HKTCT610-3	10	7	250
HKTCT610-4	10	7	1100
HKTCT610-5	12	8	750
HKTCT610-6	12	8	1030
HKTCT610-7	15	11	730
HKTCT610-8	15	11	740
HKTCT610-9	15	11	1030
HKTCT610-10	15	11	1330
HKTCT610-11	15	11	1430
HKTCT610-12	24	18	1030
HKTCT610-13	24	18	1430
HKTCT610-14	26	18	740
HKTCT610-15	26	18	1030
HKTCT610-16	26	18	1430



➤ C799 Material Thermocouple Tube Closed At One End

(Min. 99.7% Alumina content)

Product Code	OD (mm)	ID (mm)	Available Lengths (mm)										
			300	450	530	600	650	740	900	1030	1200	1430	-----
HKTCT799-1	6	4	300	450	530	600	650	740	900	1030	1200	1430	-----
HKTCT799-2	6	5	300	450	530	600	650	740	900	1030	1200	1430	-----
HKTCT799-3	10	6	300	450	530	600	650	740	900	1030	1200	1430	-----
HKTCT799-4	12	8	300	450	530	600	650	740	900	1030	1200	1430	1500
HKTCT799-5	15	10	300	450	530	600	650	740	900	1030	1200	1430	1500
HKTCT799-6	20	15	300	450	530	600	650	740	900	1030	1200	1430	1500
HKTCT799-7	24	18	300	450	530	600	650	740	900	1030	1200	1430	1500

➤ C799 Material Thermocouple Beads/Insulators-2/4 Hole

(Min. 99.7% Alumina content)

Product Code	OD (mm)	Hole Dia (mm)	No. Of Holes	Available Lengths(mm)									
				25	150	300	480	630	770	1060	1280	1470	
HKTCT799-1	3.5	1	2/4	25	150	300	480	630	770	1060	1280	1470	
HKTCT799-1	4.5	1.2	2/4	25	150	300	480	630	770	1060	1280	1470	
HKTCT799-1	5.5	1.2	2/4	25	150	300	480	630	770	1060	1280	1470	
HKTCT799-1	7.2	1.4	2/4	25	150	300	480	630	770	1060	1280	1470	
HKTCT799-1	8.5	1.8	2/4	25	150	300	480	630	770	1060	1280	1470	

Note : - Alumina and mullite ceramic pyrometry tubes and parts are formed by high pressure extrusion, dry-wet bag isostatic pressing, uniaxial pressing, injection moulding and slip casting process, depending upon the geometry and construction of the part. We are constantly working for improvement of the product quality, hence the data given in the brochure may change as and when found necessary.

Information contained herein is to our best of knowledge, true and accurate and is based upon measurements made in our R&D Laboratory. Recommendations, suggestions and data are practical guidelines and not guarantees. Actual results may vary with conditions of use and with variations in the methods of manufacture, size and shape of the ceramic part.

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