



COA

DATE: 08th/09/2017

编号 (NO.) ICLHC20170908

Thermal conducting tube Properties:

Items	unit	figures	Remarks
bulk density	g/cm3	1.80-1.93	
water absorption	%	0.07	
thermal conductivity	W/m.K	30.4-40.7	
No., of temperature differentials		>35	
Linear expansion coefficient	1/°C	(1.48-1.94)*10 ⁻⁵ (100-200°C)	
Compressive strength	Mpa	86.2-120	
tensile strength	Mpa	24.5-28.2	
Flexural strength	Mpa	60-65	
Impact strength	N*cm/cm2	29-34	
Penetrability:	0.8Mpa	no leakage	
	1Mpa	10minutes without leakage	
Water bursting pressure	Mpa	7--9	D32/22mm
	Mpa	6--8	D38/25mm
	Mpa	5--7	D42/30mm
	Mpa	<5	D>50mm
Max application temperature	°C	200	
Aging decomposition temperature	°C	250--260	
resin type		Phenolic Resin	
mode of production		Screw extrusion	
Max grain size	mesh	80--120	

Unspecified Tolerances:

Dia.s: ±(0.05-0.1)mm

Main application: for heat exchangers.

Inspector: Wucui _____

Checker: Liu changqing _____

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Hi-tech Material Co., Ltd