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Sample ID : SPC PARKE

	TEST	STANDARD	METHOD	SPECIMEN	RESULT
*	Thermal insulation; determination of steady-state thermal resistance and related properties; guarded hot plate apparatus	EN 14041:2018	ISO 8302	SPC PARKE	0.31 W/(m.K)



Seal

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Environment

The requirements and standards apply to equipment intended for use in:

X	Residential (domestic) environment
X	Commercial and light-industrial environment
X	Industrial environment
X	Medical environment

Scope

This International Standard lays down a test method which defines the use of the guarded hot plate method to measure the steady-state heat transfer through flat slab specimens and the calculation of its heat transfer properties.

Conditioning

Once the mass of the sample(s) has been determined, it will be conditioned to constant mass in a desiccator or ventilated oven at a temperature appropriate for the material. Thermally sensitive materials should not be exposed to temperatures that would atypically alter samples.

Temperature	Relative Humidity
23 ± 2 °C	%50 ± 10

Procedure

Set up the guarded hot plate apparatus with the required spacings between the heating unit and the cooling unit(s). Place low conductivity material that is suitable for confining the sample around or between the outer edges of the guard section and cooling unit(s) in such a manner that it forms one (two) box open on the top. Divide the weighed, conditioned material into four(eight) equal portions (four for each specimen). Place each portion in turn in (each of) the specimen space(s), vibrating, packing, or tamping each portion in position until it occupies its appropriate one-quarter volume of the space, and taking care to procedure specimen(s) of uniform density.

Test Result

Sample	Thermal Conductance W/(m.K)
SPC PARKE	0.31 W/(m.K)

Sample Image



*****End Of Report*****