

Fiche technique Thermal Insulator Sheet

SPHC, SPHC3, SPHC4

Part No. : SPHC(x)-(size/thickness)

Specification : 300mm x 50M and 300mm x 25M x 0.8T

Technical Information :

	Properties	SPHC (SPHC)	SPHC3 (SPHC)	SPHC4 (SPHC)	Unit	Test Method
	Color	Gray	Gray	Pink	Visual	--
	Reinforcement Layer	Fiberglass	Fiberglass	Fiberglass	--	--
	Finish	Smooth	Smooth	Smooth	Visual	--
	Thickness (Tol. ± 0.05)	0.23~0.8	0.23~0.45	0.23	mm	ASTM D374
	Operating Temperature	-40~+180	-50~+180	-60~+180	°C	--
	Specific Gravity	1.70~2.0	1.80	2.0	g/cm ³	ASTM D792
	Tensile Strength	>150	245	234	kgf/cm ²	ASTM D412
	Elongation	3	4.5	4.9	%	ASTM D412
	Hardness	70 $\pm$ 5	85 $\pm$ 5	80 $\pm$ 5	Shore A	ASTM D2240
	Voltage Breakdown	>4.0	6.0	6.0	kV	ASTM D149
	Volume Resistivity	>10 ¹⁰	>10 ¹³	>10 ¹³	$\Omega \cdot \text{cm}$	ASTM D257
	Thermal Conductivity	0.3	0.9	1.3	W/m.k	ASTM D5470
	Flammability Rating	V-0	V-0	V-0	--	UL94
	RoHS Compliant	Yes	Yes	Yes	--	Lab. Certification
	PFOA Compliant	Yes	Yes	Yes	--	Lab. Certification
	PFOS Compliant	Yes	Yes	Yes	--	Lab. Certification
	SVHC Compliant	Yes	Yes	Yes	--	Lab. Certification