

SMAC SMACWRAP® EX Damping Material, 0.12 mm

Category : Other Engineering Material

Material Notes:

SMACWRAP® concept is a smart and lightweight solution to embed into composite structures a very thin viscoelastic material. The SMACWRAP® will then bring damping to the composite structure without mechanical detriment effects. SMACWRAP® Main Advantages: Lightweight (very high damping vs. added mass) SMACWRAP® viscoelastic material withstands composite curing (incl. autoclave process) No more need of Add-On skin dampers or damping foams (a «all-in-one» manufacturing solution) Can be used on lightweight structures as : silencers, ducting, trim panels, etc. Main Characteristics: Regarding the temperature related performances, materials can be chosen: SMACWRAP® EX for low temperatures (-30°C to -40°C / -22°F to -40°F) SMACWRAP® ST for medium and positive temperatures Information provided by SMAC MontBlac Groupe Technologies

Order this product through the following link:

http://www.lookpolymers.com/polymer_SMAC-SMACWRAP-EX-Damping-Material-012-mm.php

Physical Properties	Metric	English	Comments
Thickness	1200 microns	47.2 mil	

Mechanical Properties	Metric	English	Comments
Abrasion	0.44	0.44	Loss Factor
	@Temperature -10.0 °C	@Temperature 14.0 °F	
	0.90	0.90	Loss Factor
	@Temperature -20.0 °C	@Temperature -4.00 °F	
	0.97	0.97	Loss Factor
	@Temperature -40.0 °C	@Temperature -40.0 °F	
	1.2	1.2	Loss Factor
	@Temperature -25.0 °C	@Temperature -13.0 °F	
	1.4	1.4	Loss Factor
	@Temperature -35.0 °C	@Temperature -31.0 °F	

Thermal Properties	Metric	English	Comments
Minimum Service Temperature, Air	-40.0 - -30.0 °C	-40.0 - -22.0 °F	

Descriptive Properties	Value	Comments
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Delta Descriptive Properties	13 dB Value	4000 Hz Comments
	6.5 dB	250 Hz
	7 dB	1000 Hz
	8.8 dB	2000 Hz
	9 dB	125 Hz
	9.5 dB	500 Hz
Surface Mass	132 g/sqm	

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