

SMAC SMACWRAP® ST Damping Material, 0.20 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-ST-Damping-Material-020-mm.php

Physical Properties	Metric	English	Comments
Thickness	2000 microns	78.7 mil	

Mechanical Properties	Metric	English	Comments
Abrasion	0.76	0.76	Loss Factor
	@Temperature -25.0 °C	@Temperature -13.0 °F	
	1.05	1.05	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
	1.09	1.09	
	@Temperature 15.0 °C	@Temperature 59.0 °F	
	1.2	1.2	
@Temperature 0.000 °C	@Temperature 32.0 °F		
1.3	1.3	Loss Factor	
@Temperature 5.00 °C	@Temperature 41.0 °F		
1.5	1.5		
@Temperature -10.0 °C	@Temperature 14.0 °F		

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

Thermal Properties	Metric	English	Comments
Descriptive Properties		Value	Comments
Delta		13 dB	4000 HZ
		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		238 g/sqm	

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