



13902 N Dale Mabry Hwy  
Suite 122  
Tampa, FL 33618

Family of products	Polyester	Spec number	0020
Sub-family (trade mark)	Insul-Therm	Presentation	n/a
Application:	Battery Liner	Date issue	6/19/2019

Significant Characteristics	Test Method	Unit	Tolerances
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**Composition**

Aspect	Appearance	Visual	Brown, Black or Tan	
	Color			
Fiber Blend	Binding fiber	Low Melt	51mm LM black 19% ME-306	19%
	Other fibers	Fiber Grades	black/Brown/Tan poly /RR /15d 76mm black	81%
Facing	Side 1	Type	n/a	
	Side 2	Film	n/a	

**General Characteristics**

Thickness		Thickness Gage	6mm	7.58mm
Basis weight		Weight Scale	56gr	54.33gr
Mechanical Properties	Tensile Strength at break	MD	Report	173.67
		AMD	Report	135.67
	Elongation at break	MD	Report	22.11%
		AMD	Report	48.56%
Flammability	Surface	FMVSS 302	Report	SE
Thermal performance	R-Value	ASTM C177 and ASTM C518	Report	0.98

**Acoustical Performance**

Test Conditions	1/3 Octave Band Center Frequency Hz						
	HZ	250	500	1000	2000	4000	8000
20-21 C							
69-70 % RH	Sound Absorption Coef.	n/a	n/a	n/a	n/a	n/a	n/a
986 hPa	Test Conducted per SAE J2883 wotj am ASTM E795 Type "A" Mounting						
	Sample A	Sample B	Sample C	Sample D			
PMI (Automotive )	305	311	304	310			