Product Information

ESC-comp ™ V-131A

Laminate Composite, Internally Lubricated

Property	Test Method	Units	V-131A Value
Tensile Strength	ASTM D638	PSI	11,000
Tensile Elongation	ASTM D638	%	
Tensile Modulus	ASTM D638	PSI	
Flexural Strength	ASTM D790	PSI	
Flexural Modulus	ASTM D790	PSI	470,000
Compressive Strength	ASTM D695	MPa (psi)	
Normal to laminate	ASTM D695	psi	50,000
Parallel to laminate	ASTM D695	psi	13,500
Sear Strength	ASTM D2344	PSI	12,000
Impact Strength			
Hardness, Rockwell	ASTM D785	M	100
Specific Gravity	ASTM D792	lb./in.³	0.048
Water Absorption 24 hrs. @ 73 F (23 C)	ASTM D570	%	<0.1
Coefficient of Friction (Dynamic)			.15-.20
Coefficient of Friction (Static)			
Filler			Polyester / Polyester Fabric / PTFE
Coefficient of Linear			
Thermal Expansion	Parallel to Laminate	(in/in/F)	.000035
68°F to 200°F	Normal to Laminate	(in/in/F)	.000018
Service Temperature Range		Degrees F	-040F to +200F
Color			Pearl

* Estimated by the Laboratory

The information provided in this data sheet corresponds to our knowledge on the subject at the date of this publication. This information may be subject to revision as new knowledge and experience

becomes available. The data provided fall within the normal range of product properties and relate only to the specific material designated; these data may not be valid for such materials used in

combination with any other material, additives or pigments or in any process, unless expressly indicated otherwise. The data provided should not be used to establish specifications limits or used alone

as the basis of design; they are not intended to substitute for any testing you may need to do to determine the suitability of a specific compound for your particular purpose.   Since Engineered Seals, LLC

cannot anticipate all variation in actual end-use conditions ESC makes no warranties and assumes no liability in connection with any use of this information. Caution: Do not use this product in

 medical application involving permanent implantation in the human body.

We highly recommend testing in your specific application, this is a guide only