

SUPRAN® WLFT 511BL

Thermoplastic

SAMBARK

Message:

WLFT 511BL is a new material of sheet that is hybridized with fully impregnated WFT (Woven Fiber-glass Thermoplastic-mat) and LFT (Long Fiber Thermoplastics) sheets. WLFT 511BL is suitable for various parts in automotives, construction and industry applications as new materials to replace metals.

General Information			
Uses	Automotive Applications		
	Construction Applications		
	Industrial Applications		
	Metal Replacement		
	Sheet		
	Structural Parts		
Forms	Sheet		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.18	g/cm ³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	110		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	235	MPa	ASTM D638
Flexural Modulus	9320	MPa	ASTM D790
Flexural Strength	255	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-30°C	1600	J/m	
23°C	1600	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	163	°C	ASTM D648

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Recommended distributors for this material

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