## Acculam<sup>™</sup> Phenolfab Canvas CYBS

## Phenolic

Accurate Plastics, Inc.

## Message:

Acculam<sup>®</sup> Phenolfab CYBS is a laminate sheet comprised of a phenolic resin binder and woven canvas (cotton) substrate with graphite added to enhance self-lubrication.

This material is characterized by good mechanical properties and toughness. It has similar mechanical properties to C/CE. It is not intended for applications needing electrical resistance. It has good machining qualities and good wear resistance.

Additive Graphte Powder Lubricant Features Good Toughness Good Wear Resistance Lubricated Machinable Lubricated Lubricated Machinable Lubricated Lubricate	General Information			
Features       Good Toughness         Good Wear Resistance       Lubricated         Lubricated       Nachinable         Uses       Laminates         Sheet       Sheet         Forms       Sheet         Forms       Sheet         Specific Gravity       1.36         Quername       ASTM D792         Hardness       Nominal Value       Unit         Netra Absorption (24 hr, 3.18 mm)       4.16       Satometer         Rockvell Hardness (M-Scale)       105       ASTM D792         Mater Absorption (24 hr, 3.18 mm)       105       ASTM D793         Sheat       Jannani Value       Unit       Test Method         Rockvell Hardness (M-Scale)       Nominal Value       Vinit       Test Method         Sheat       Jannani       1.5       Satometer       Satometer         Ji Brum <sup>1</sup> > 110       MPa       Test Method       Mene         Statom 1 <sup>3</sup> > 269       MPa       Satometer       Satometer         Ji Brum <sup>2</sup> > 269       MPa       Satometer       Satometer	Filler / Reinforcement	Cotton		
Good War Resistance         Lubricated         Machinable         Uses       Laminates         Sheet         Forms       Sheet         Physical       Norninal Value       Unit       Test Method         Specificarvity       1.36       g/cm <sup>3</sup> ASTM D792         Hardness       Norninal Value       Unit       Test Method         Rockvell Hardness (M-Scale)       1.6       %       ASTM D792         Mater Absorption (24 hr, 3.18 mm)       1.6       %       ASTM D792         Rockvell Hardness (M-Scale)       105       XSTM D785       ASTM D793         Rockvell Hardness (M-Scale)       101       Test Method       Test Method         Rockvell Hardness (M-Scale)       101       Method       Test Method         Rockvell Hardness (M-Scale)       101       Method       Test Method         Romar Strength       1	Additive	Graphite Powder Lubricant		
Lubricated Machinable           Uses         Laminates Sheet           Forms         Rest           Physical         Nominal Value         Unit         Test Method           Specific Gravity         1.36         gravm         ASTM D792           Mater Absorption (24 hr, 318 mm)         4.16         %         ASTM D792           Marchades         Nominal Value         Unit         Test Method           Rockwell Hardness (M-Scale)         Nominal Value         Unit         Test Method           Rockwell Hardness (M-Scale)         Nominal Value         Unit         Test Method           Janna *         Nominal Value         Nominal Value         Test Method           Specific Gravity         10         Machinable         Specific Gravity         Specific Gravity           Rockwell Hardness (M-Scale)         Nominal Value         Moninal Value         Machinable         Specific Gravity         Specific Gravity           Janna *         10         Nominal Value         Machinable         Machinable         Specific Gravity         Specific Gravity           Janna *         10         Moninal Value         Mpin         Machinable         Machinable           Graphesite Strength *         269         Minal Value         Minal Value	Features	Good Toughness		
Machinable           Uses         Laminates Sheet           Forms         Sheet           Physical         Nominal Value         Unit         Test Method           Specific Gravity         1.36         g/cm <sup>2n</sup> ASTM D792           Mater Absorption (24 hr, 318 mm)         1.6         %         ASTM D792           Rackwell Hardness (M-Scale)         Nominal Value         Unit         Test Method           Rockwell Hardness (M-Scale)         105         Stot MD793         ASTM D793           Rockwell Hardness (M-Scale)         Nominal Value         Unit         Test Method           Rockwell Hardness (M-Scale)         105         Stot MD793         Stot MD793           Sint Barn <sup>1</sup> > 110         MPa         Test Method           Sint Mar <sup>2</sup> > 110         MPa         Stot MD595           Impact         Nominal Value         Ma         Test Method           Nother Lood Impact         > 269         Mathode         Moto           - 4 <sup>-4</sup> > 75         Min         Stot MD595           - 4 <sup>-6</sup> Stot MD505         Min         Stot MD505           - 4 <sup>-6</sup> > 55         Min         Stot MD505           - 5 <sup>-6</sup> Stot MD		Good Wear Resistance		
UsesLaminates SheetFormsSheetPhysicalNominal ValueUnitSpecific Gravity1.36g/cm³ASTM D792Water Absorption (24 hr, 3.18 mm)<1.6		Lubricated		
Shet           Forms         Shet           Physical         Nominal Value         Unit         Test Method           Specific Gravity         1.36         g/cm <sup>3</sup> ASTM D792           Water Absorption (24 hr, 3.18 mm)         <1.6		Machinable		
Shet           Forms         Shet           Physical         Nominal Value         Unit         Test Method           Specific Gravity         1.36         g/cm <sup>3</sup> ASTM D792           Water Absorption (24 hr, 3.18 mm)         <1.6				
FormsSheetPhysicalNominal ValueUnitTest MethodSpecific Gravity1.36g/cm³ASTM D792Water Absorption (24 hr, 3.18 mm)<1.6	Uses	Laminates		
PhysicalNominal ValueUnitTest MethodSpecific Gravity1.36g/cm³ASTM D792Water Absorption (24 hr, 3.18 mm)<1.6		Sheet		
PhysicalNominal ValueUnitTest MethodSpecific Gravity1.36g/cm³ASTM D792Water Absorption (24 hr, 3.18 mm)<1.6	Forms	Sheet		
Water Absorption (24 hr, 3.18 mm)< 1.6% ASTM D570HardnessNominal ValueUnitTest MethodRockwell Hardness (M-Scale)105SASTM D785MechanicalNominal ValueUnitTest MethodFlexural Strength> 110MPa3.18 mm 1> 110MPa3.18 mm 2> 117MPaCompressive Strength 3> 269MPaNotched Izod ImpactSTM D595ImpactNominal ValueUnitNotched Izod Impact> 75J/m 4> 75J/m 585J/mThermalNominal ValueUnitTemperature Index125°CBond Strength82000gNCTEImpactCW-A	Physical	Nominal Value	Unit	Test Method
Water Absorption (24 hr, 3.18 mm)< 1.6% ASTM D570HardnessNominal ValueUnitTest MethodRockwell Hardness (M-Scale)105SASTM D785MechanicalNominal ValueUnitTest MethodFlexural Strength> 110MPa3.18 mm 1> 110MPa3.18 mm 2> 117MPaCompressive Strength 3> 269MPaNotched Izod ImpactSTM D595ImpactNominal ValueUnitNotched Izod Impact> 75J/m 4> 75J/m 585J/mThermalNominal ValueUnitTemperature Index125°CBond Strength82000gNCTEImpactCW-A	Specific Gravity	1.36	g/cm <sup>3</sup>	ASTM D792
Rockwell Hardness (M-Scale)105ASTM D785MechanicalNominal ValueUnitTest MethodFlexural Strength> 110MPaSTM D7903.18 mm 1> 110MPaCompressive Strength 3> 269MPaASTM D695ImpactNominal ValueUnitTest MethodModesNotched Izod Impact> 75J/mSTM D256 4> 75J/mCompresative IndexSTM D2561- 5S65J/mCompresative IndexState Compresative IndexTemperature Index125°CCompresative IndexS2000gNOTEIndexS000gCompresative IndexIndex1.CW-ACW-ASCSCSC	Water Absorption (24 hr, 3.18 mm)	< 1.6	%	ASTM D570
Mechanical         Nominal Value         Unit         Test Method           Flexural Strength         ASTM D790         ASTM D790           3.18 mm 1         > 110         MPa         Impace         Impace         STM D695           Impact         Nominal Value         Unit         Test Method         STM D695           Impact         Nominal Value         Unit         Test Method         STM D695           Impact         Nominal Value         Unit         Test Method         STM D256           4         > 75         J/m         Impace         ASTM D256           5         > 85         J/m         Impace         Impace<	Hardness	Nominal Value	Unit	Test Method
Flexural StrengthASTM D7903.18 mm 1> 110MPa3.18 mm 2> 117MPaCompressive Strength 3> 269MPaASTM D695ImpactNominal ValueUnitTest MethodNotched Izod Impact> 75J/mSTM D2564> 75J/m	Rockwell Hardness (M-Scale)	105		ASTM D785
3.18 mm <sup>1</sup> > 110       MPa         3.18 mm <sup>2</sup> > 117       MPa         Compressive Strength <sup>3</sup> > 269       MPa       ASTM D695         Impact       Nominal Value       Unit       Test Method         Notched Izod Impact       - 4       > 75       J/m <sup>4</sup> > 75       J/m	Mechanical	Nominal Value	Unit	Test Method
3.18 mm²> 117MPaCompressive Strength³> 269MPaASTM D695ImpactNominal ValueUnitTest MethodNotched Izod Impact> 75J/mASTM D256 <sup>4</sup> > 75J/mJ/m <sup>5</sup> > 85J/mJ/mThermalNominal ValueUnitTest MethodTemperature Index125°CCBond Strength82000gImage: Strength Strength1.CW-ACW-AImage: Strength St	Flexural Strength			ASTM D790
Compressive Strength 3> 269MPaASTM D695ImpactNominal ValueUnitTest MethodNotched Izod Impact> 75J/mJ/m 4> 85J/m 5> 85J/m-ThermalNominal ValueUnit-Temperature Index125°C-Bond Strength82000g-NOTE1.CW-A	3.18 mm <sup>1</sup>	> 110	MPa	
ImpactNominal ValueUnitTest MethodNotched Izod ImpactASTM D256 4> 75J/m 5 5> 85J/m 6ThermalNominal ValueNominal ValueUnitTemperature Index12582000gNOTE	3.18 mm <sup>2</sup>	> 117	MPa	
ASTM D256 <sup>4</sup> > 75         /m         /m <sup>5</sup> > 85         /m         /m           Thermal         Nominal Value         Unit         C           Temperature Index         125         °C         /m           NOTE         V         /m         /m	Compressive Strength <sup>3</sup>	> 269	MPa	ASTM D695
4> 75J/m 5> 85J/mThermalNominal ValueUnitTemperature Index125°CBond Strength82000gNOTE1.CW-A	Impact	Nominal Value	Unit	Test Method
5> 85J/mThermalNominal ValueUnitTemperature Index125°CBond Strength820000gNOTE1.CW-A	Notched Izod Impact			ASTM D256
ThermalNominal ValueUnitTemperature Index125°CBond Strength820000gNOTE1.CW-A	4	> 75	J/m	
Temperature Index125°CBond Strength820000gNOTE	5	> 85	J/m	
Bond Strength82000gNOTE1.CW-A	Thermal	Nominal Value	Unit	
NOTE 1. CW-A	Temperature Index	125	°C	
1. CW-A	Bond Strength	820000	g	
	NOTE			
2. LW-A	1.	CW-A		
	2.	LW-A		

3.	Flatwise
4.	CW
5.	LW

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

## Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

