

# PRODUCT DATA SHEET

## layflatSBS<sup>®</sup> LF60W


Membrane For Roofing Systems  
As To An External Fire Exposure Only - 51P6



USAGE: Base/Interply APPLICATION: Cold Adhesive/Hot Asphalt



**ASTM-D-6163-00<sup>e1</sup> Grade S**  
**Tested in Accordance with ASTM-D-5147**



- 1 ENERGY STAR<sup>®</sup> (Version 2)
- 2 CRRC Title 24 If  $\epsilon > 0.75$  Reflect = 0.70 min
- 3 CRRC Title 24 If  $\epsilon < 0.75$  Reflect =  $0.70 + 0.34 * (0.75 - \epsilon_{initial})$

Dimensions and Mass	Unit	ASTM Minimum			MBTechnology Nominal
		Type 1	Type 2	Type 3	
Reinforcement		High Tensile Strength Fiber Glass Scrim Mat (Asbestos-Free)			
Area	ft <sup>2</sup>	163 Actual / 150.6 Coverage (excluding 1 <sup>st</sup> lap line)			
Roll Weight	lbs	-	-	-	106
Roll Length	feet + inches	-	-	-	49' 6"
Roll Width	inches	-	-	-	39.50
Lap Lines (From Each Side)	inches	3	3	3	3 - 13 - 19
Thickness (Over All)	mil	80	80	80	87
Thickness (Selvedge)	mil	-	-	-	N/A
Net Mass	lbs/100ft <sup>2</sup>	45	45	45	65.0
Bottom Coating Thickness Heat Welding Applications	mil	N/A	N/A	N/A	35

Physical Properties	Unit	ASTM Minimum			MBTechnology Nominal	
		Type 1	Type 2	Type 3		
Tensile Strength	lbs/in	30	80	150	MD	119
Max Load at 73.4°F (23°C):					CD	128
Tensile Strength (After Heat Cond)	lbs/in	30	80	150	MD	TBD
Max Load at 73.4°F (23°C):					CD	TBD
Tensile Strength	lbs/in	70	150	180	MD	TBD
Max Load at 0°F (-18°C):					CD	TBD
Tensile Strength (After Heat Cond)	lbs/in	70	150	180	MD	TBD
Max Load at 0°F (-18°C):					CD	TBD
Elongation at Max Load	%	2	4	3	MD	5
73.4°F (23°C):					CD	6
Elongation at Max Load (After Heat Cond)	%	2	4	3	MD	TBD
73.4°F (23°C):					CD	TBD
Elongation at Max Load	%	1	2	2	MD	TBD
0°F (-18°C):					CD	TBD
Elongation at Max Load (After Heat Cond)	%	1	2	2	MD	TBD
0°F (-18°C):					CD	TBD
Ultimate Elongation	%	3	40	2	MD	10
73.4°F (23°C):					CD	14
Ultimate Elongation (After Heat Cond)	%	3	20	2	MD	TBD
73.4°F (23°C):					CD	TBD
Tear Strength	lbs	35	110	210	MD	158
73.4°F (23°C):					CD	164
Low Temperature Flexibility (As Mfg) :	maximum	-18°C (0°F)	-18°C (0°F)	-15°C (5°F)	MD & CD	-20°C (-4.0°F)
Low Temperature Flexibility (After Heat Cond) :	maximum	-18°C (0°F)	-18°C (0°F)	-15°C (5°F)	MD & CD	TBD
Dimensional Stability:	% (max)	0.5	0.5	0.5	MD & CD	< 0.20
Compound Stability:	°C	102	102	91		102
Granule Embedment:	grams	2 max	2 max	2 max		N/A
Reflectance (Initial) C-1549:	≥ 0.65 <sup>1</sup>	≥ 0.70 <sup>2</sup>	≥ TBD <sup>3</sup>			N/A
Reflectance (3 Year Aged) C-1549 or E1918:	≥ 0.50 <sup>1</sup>	≥ TBD <sup>2</sup>	≥ TBD <sup>3</sup>			N/A
Thermal Emittance (Initial) C-1371:	Report <sup>1</sup>	≥ 0.75 <sup>2</sup>	≤ 0.75 <sup>3</sup>			N/A
Thermal Emittance (3 Year Aged) C-1371:	Report <sup>1</sup>	TBD <sup>2</sup>	TBD <sup>3</sup>			N/A

Ultimate Elongation is reported at point where load has dropped down to 5% of its original max.



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