

PRODUCT DATA SHEET


fastorchSBS® FT160WWH

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



USAGE: Cap APPLICATION: Torch

ASTM-D-6163-00^{e1} Grade G
Tested in Accordance with ASTM-D-5147



① ENERGY STAR® (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 ²	109.7 Actual / 100 Coverage (excluding selvage)			
Roll Weight	lbs	-	-	-	116
Roll Length	feet + inches	-	-	-	33' 4"
Roll Width	inches	-	-	-	39.50
Selvage Width	inches	3	3	3	3.50
Thickness (Over All)	mil	95	105	120	154
Thickness (Selvage)	mil	-	-	-	116
Net Mass	lbs/100ft ²	65	75	75	105.7
Bottom Coating Thickness Heat Welding Applications	mil	40	40	40	43

Physical Properties	Unit	ASTM Minimum			MBTechnology Nominal	
		Type 1	Type 2	Type 3		
Tensile Strength	lbs/in	30	80	150	MD	109
Max Load at 73.4°F (23°C):					CD	114
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	7
73.4°F (23°C):					CD	9
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	42
73.4°F (23°C):					CD	52
Ultimate Elongation (After Heat Cond)	%	3	20	2	MD	TBD
73.4°F (23°C):					CD	TBD
Tear Strength	lbs	35	110	210	MD	140
73.4°F (23°C):					CD	169
Low Temperature Flexibility (As Mfg) :	maximum	-18°C (0°F)	-18°C (0°F)	-15°C (5°F)	MD & CD	-19°C (-2.2°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	< 0.25
Compound Stability:	°C	102	102	91		102
Granule Embedment:	grams	2 max	2 max	2 max		< 0.75
Reflectance (Initial) C-1549:	≥ 0.65 ^①	≥ 0.70 ^②	≥ TBD ^③			TBD
Reflectance (3 Year Aged) C-1549 or E1918:	≥ 0.50 ^①	≥ TBD ^②	≥ TBD ^③			TBD
Thermal Emittance (Initial) C-1371:	Report ^①	≥ 0.75 ^②	≤ 0.75 ^③			TBD
Thermal Emittance (3 Year Aged) C-1371:	Report ^①	TBD ^②	TBD ^③			TBD

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



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