



**WILLIAM JOHNSTON
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Black EPDM Roofing Membrane Sheeting WJ146

PROPERTIES	TEST METHOD	VALUES FPS UNITS	TEST METHOD	VALUES METRIC UNITS
COLOUR	VISUAL	BLACK		BLACK
DENSITY		1.10		1.10
HARDNESS	ASTM D 2240	65 ± 10 SH A	DIN 53505	65 ± 10 SH A
TENSILE STRENGTH (MIN)	ASTM D 412	90KG/CM	DIN 53504	1280.7 PSI
ELONGATION AT BREAK (MIN)	ASTM D 412	300%	DIN 53504	300%
ABRASION RESISTANCE (MAX)	ASTM D5963	250 MM	DIN 150 4649	250 MM
POLYMER CONTENT (%)		100		100
COMPRESSION SET (70 C/24 HRS) (MAX)	ASTM D395 METHOD B	24%	DIN 180 815	24%
TEAR RESISTANCE (ANGULAR) MIN	ASTM D624 METHOD C	30 KG/CM	DIN 53506	167.97 LBS/INCH
RESISTANCE TO HEAT AGING				
PROPERTIES AFTER 166 HRS @ 115C	ASTM D 573			
TENSILE STRENGTH MIN.	ASTM D 412	85KGS. /CM2	DIN 53505	1209.55 PSI
ELONGATION (%)	ASTM D 412	210	DIN 53504	210
LINEAR DIMENSIONAL CHANGE MAX. %	ASTM D 1204	+/-1		
BRITTLENESS TEMPERATURE C	ASTM D 746	-45		
RESISTANCE WATER ABSORPTION, AFTER 166HRS. ° IMMERSION @ 70 C				
% CHANGE IN MASS	ASTM D 471	4.0	DIN ISO 1817	4.0
WATER VAPOR PERMEABILITY MAX. PER- MILLS	ASTM E 96	3.5		
TEMPERATURE RESISTANCE		-30 TO +120°C		

Failure to select the correct materials or products can result in damage to plant and equipment and personal injury. In specific applications, where critical conditions exist, we suggest you contact us, and we will consider with you the most suitable material or product. However, information supplied by William Johnston & Company Limited is intended only as technical co-operation and as a guide to the various uses of different products. No warranty is given in respect of information or recommendations by William Johnston & Company Limited which are only given for guidance and without any guarantee. The customer must satisfy themselves on the suitability of the material or product for the intended purpose. The correct fitting of products particularly is the responsibility of the customer.