



## **WILLIAM JOHNSTON & COMPANY LIMITED**

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### **Black EPDM (10% content) / SBR Rubber 50° shore WJ105**

PROPERTIES	TEST METHOD	VALUES FPS UNITS	TEST METHOD	VALUES METRIC UNITS
SPECIFIC GRAVITY	DIN 53508	1.45 ± 0.05	ASTM D297	1.45 ± 0.05
HARDNESS	DIN 53505	50 ± 5 SH A	ASTM D2240	50 ± 5 SH A
TENSILE STRENGTH (KG/CM2)	DIN 53504	569 PSI	ASTM D412	40 KG/CM2
ELONGATION AT BREAK (MIN)	DIN 53504	200%	ASTM D412	200%
COMPRESSION SET (70 °C/24 HRS/25% SET) (MAX)	DIN 53517	50%	ASTM D395 METHOD B	50%
TEAR RESISTANCE (ANGULAR) MIN	DIN 53515	100 LBS/INCH	ASTM D624	18 KG/CM
CHANGE IN PROPERTIES				
HEAT AGEING (72 HRS. AT 70 °C)			ASTM D573	
--- HARDNESS (PTS)		+ 5 (MAX)		+ 5 (MAX)
--- TENSILE STRENGTH (%)		± 20 (MAX)		± 20 (MAX)
--- ELONGATION AT BREAK (%)		± 30 (MAX)		± 30 (MAX)
VOLUME SWELL: AT 70° C FOR 72 HRS/IN			ASTM D 471	
IRM OIL NO.1		NOT RECOMMENDED		NOT RECOMMENDED
IRM OIL NO.2		NOT RECOMMENDED		NOT RECOMMENDED
IRM OIL NO.3		NOT RECOMMENDED		NOT RECOMMENDED
POLYMER CONTENT (EPDM)		10%		10%
CHEMICAL RESISTANCE				
--- OZONE		FAIR	ASTM D 1149	FAIR
--- DILUTE ACIDS AND BASES		FAIR		FAIR
--- CONCENTRATED ACIDS AND BASES		NOT RECOMMENDED		NOT RECOMMENDED
--- OILS		NOT RECOMMENDED		NOT RECOMMENDED
--- SOLVENTS		NOT RECOMMENDED		NOT RECOMMENDED
TEMPERATURE RANGE		-30 ° TO +90° C		-30 ° TO +90° C
Colour		BLACK		

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