

RH Nuttall Limited

Great Brook Street
Nechells Green
Birmingham B7 4EN

Material Specification Sheet

e: sales@rhnuttall.co.uk
t: 0121 359 2484
f: 0121 359 4439

RHN 2H



www.rhnuttall.co.uk

BLACK EPDM FLAME RETARDANT SHEET 65° SHORE RUBBER

PROPERTIES	TEST METHOD	VALUES FPS UNITS	TEST METHOD	VALUES METRIC UNITS
SPECIFIC GRAVITY	ASTM D297	1.40 +/- 0.05	DIN 53508	1.40 +/- 0.05
HARDNESS	ASTM D2240	65 +/- 5 SH A	DIN 53505	65 +/- 5 SH A
TENSILE STRENGTH (MIN)	ASTM D412	711 PSI	DIN 53504	50 KG/CM2
ELONGATION AT BREAK (MIN)	ASTM D412	200%	DIN 53504	200%
COMPRESSION SET (70°C/24 HRS/25% SET) (MAX)	ASTM D395 METHOD B	50%	DIN 35317	50%
TEAR RESISTANCE (ANGULAR) MIN	ASTM D624	112 LBS/INCH	DIN 35315	20 KG/CM
CHANGE IN PROPERTIES				
HEAT AGEING (72 HRS. AT 70°C)	ASTM D573			
--- HARDNESS (PTS)		+ 5 (MAX)		+ 5 (MAX)
--- TENSILE STRENGTH (%)		+ 10 / - 10		+ 10 / - 10
--- ELONGATION AT BREAK (%)		+ 10 / - 20		+ 10 / - 20
VOLUME SWELL: AT 70°C FOR 72 HRS/IN	ASTM D 471			
ASTM OIL NO.1		NOT RECOMMENDED		NOT RECOMMENDED
ASTM OIL NO.2		NOT RECOMMENDED		NOT RECOMMENDED
ASTM OIL NO.3		NOT RECOMMENDED		NOT RECOMMENDED
FLAMMABILITY TEST	UL94, V-O	PASS	UL94, V-O	PASS
POLYMER CONTENT (EPDM)		100%		100%
CHEMICAL RESISTANCE				
--- OZONE	ASTM D 1149	EXCELLENT		EXCELLENT
--- DILUTE ACIDS AND BASES		EXCELLENT		EXCELLENT
--- CONCENTRATED ACIDS AND BASES		EXCELLENT		EXCELLENT
--- OILS		NOT RECOMMENDED		NOT RECOMMENDED
--- SOLVENTS		NOT RECOMMENDED		NOT RECOMMENDED
TEMPERATURE RANGE		-30° TO + 130°C		-30° TO + 130°C
COLOUR		BLACK		

The information given above is based upon average values and is no way intended as a warranty. The purchaser is deemed responsible for determining the suitability of the product for any application. All data relating to suitable uses and description information concerning our products are compiled from research and are believed to be reliable but are provided for guidance purposes only. The Company holds no legal or contractual responsibility for information supplied

