UNIVERSAL RUBBER CO.

DATA SHEET; CODE: BR:CIG3F/R

MATERIAL : FLAME RETARDENT

NEOPRENE SPONGE

POLYMER : CR

BLOCK SIZE : 1900mm +/-3% x 1000mm

THICKNESS : 37mm +/-2

COLOUR : GREY

CELL STRUCTURE : CLOSED

SPEC TO ASTM D 1056-85 : 2 A2 A1B2 MP

AFNOR FG-R99-211-80 : 3 C 08 B4

SAE J 18-79 : SCE42 A1 B2 MP DENSITY : 170/220 Kg,m3

SHORE HARDNESS 00 : 38-55 00SHORE RATED

COMPRESSION DEFLECTION TO: AVERAGE REQUIRED ASTM D 1056-25% COMPRESSION: 50Kpa 36-83Kpa NFR 99211-80-50% COMPRESSION; 125%Kpa 80-180Kpa

CHANGE IN COMPRESSION DEFLECTION TO

CHANGE IN COMI RESSION DEFEECTION TO		
ASTM D 1056 AFTER -85	-20%	FROM
		-30 TO +30%
AFTER 22H@ 100 DEG C	-14%	-30 TO +30%
WATER ABSORPTION ASTM D 1056:	0.9%	=<5%
COMPRESSION SET 50%/22H:		
ASTM D 1056 AT 23 DEG C/70DEG F	16%	=<25%
AFTER 24H RELEASE		
NFR 99211 AT 40 DEG C/105 DEG F	49%	=<60%
LINEAR SHRINKAGE;		
AFTER 22H AT 70DEG C	3.8%	<5%
ULTIMATE ELONGATION DIN53571	236%	<200%

TENSILE STRENGTH DIN 53571 768kpa <550 kpa
TEAR RESISTANCE NFR 99211-80 0.96Kn/M <0.6KN/m

OZONE RESISTANCE 200pphm NO CRACKING

30 DEG C/48H

RESISTANCE TO FUEL B ASTM:

CHANGE IN WEIGHT AFTER 7 DAYS AT 23 DEG C

193% <250%

FIRE RESISTANCE:

REF TO FMVSS302 CONFORMS TO CAT 1

TYPE OF COMBUSTION A FOR

THICKNESS >=4mm

REF TO UL94 HBF-HF1

REF TO AFNOR P 92507 M1 FOR 2mm & 3mm thick

M2 FROM 3mm to 15mm M3 FROM 15mm to 25mm

LIMITED OXYGEN INDEX

ACCORDING TO ASTM D 2863-99

CORROSIVE EFFECT ON COPPER & SILVER: none corrosive

PAINT STAINING none staining

TEMP RANGE -20 TO +100C

CONTINUOIS +85DEG C

GENERAL INDICATIONS: good resistance to ageing, flame, oils

and chemicals.

In the same quality the characteristics of cellular rubber can vary according to numerous factors such as thickness of sheets, sheets with or without moulding skirts, methods of tests etc

The above given information should be considered only as a guide in making a choice of material according to the use to which it is put.

Updated and Authorised: 07/08/10 PGB