

UNIVERSAL RUBBER CO.

DATE SHEET:

CODE:

BR:514

**MATERIAL : Non Cross Linked
Polyethylene Foam**

<u>DESCRIPTION:</u>	<u>TEST STANDARD</u>	<u>VALUE</u>	<u>UNIT</u>
DENSITY	ISO845	25	Kg/m ³
Tensile Strength-MD	ISO1798	291	kPa
Tensile Strength-TD	ISO1798	237	kPa
Elongation-MD	ISO1798	100	%
Elongation-TD	ISO1798	11 than 6 holes of	
diameter 5 %			
Compression 10%	ISO844	20	kPa
Compression 25%	ISO844	39	kPa
Compression 50%	ISO844	98	kPa
Compression Set-0.5Hrs	ISO1856	14.0	%
Compression Set-24 Hrs	ISO1856	5.5	5
Working Temp Range	Internal	-60/+80	DEG C
Water Vapour Trans	ISO1663	0.97	g/m ² *24h
Thermal Conductivity at 10C	ASTM C177	0.0390	W/mK
Thermal Conductivity at 40C	ASTM C177	0.0460	W/mK
Flammability	FMVSS302	94	mm/min

BR:514 Is a Closed cell cross linked polyethylene foam sheet

Dimensional stability 24 hr at 70C<2%

If pinholes were created during the forming process, no more than 6 holes of diameter 2mm per 1M² of sheet are acceptable.

THIS INFORMATION ON BR:513 CHEMICALLY CROSS LINKED POLYETHYLENE FOAM IS PRESENTED TO THE BEST OF OUR KNOWLEDGE. DATA REPRESENTS TYPICAL VALUES MEASURED ON A 10mm THICK SPECIMEN AND SHOULD BE CONSIDERED AS GUIDELINES ONLY.

Updated and Authorised: 08/08/10 PGB