

# UNIVERSAL RUBBER CO.

## DATA SHEET:

CODE:

BR:515 F/R

MATERIAL

: **CLOSED CELL EXPANDED  
POLYETHYLENE F/R**

<u>PROPERTIES</u>	<u>ISO</u>	<u>UNIT</u>	<u>RESULT</u>
<b>DENSITY</b>	<b>845</b>	<b>Kg/m<sup>3</sup></b>	<b>30</b>
<b>Tensile strength</b>	<b>1926</b>	<b>Kpa</b>	<b>245</b>
<b>Tensile elongation</b>	<b>1926</b>	<b>%</b>	<b>130</b>
<b>Compressive strength</b>	<b>844</b>		
<b>Deflection 10%</b>		<b>Kpa</b>	<b>25</b>
<b>Deflection 25%</b>		<b>Kpa</b>	<b>45</b>
<b>Deflection 50%</b>		<b>Kpa</b>	<b>100</b>
<b>Compression set 22h charge 23C Deflection 25%</b>	<b>1856-C</b>		
<b>0.5h after discharge</b>		<b>%</b>	<b>14</b>
<b>24h after discharge</b>		<b>%</b>	<b>4</b>
<b>Thermal conductivity:</b>			
<b>At 10 C</b>	<b>2581</b>	<b>W/mK</b>	<b>0.035</b>
<b>At 40 C</b>		<b>W/mK</b>	<b>0.037</b>
<b>Working temp range</b>	<b>internal</b>	<b>C</b>	<b>-80 to +80</b>
<b>Water absorption 7d</b>	<b>internal</b>	<b>Vol.%</b>	<b>&lt;2.5</b>
<b>Water vapour transmission (5mm0: value (23C,0.85%r.h)</b>	<b>1663</b>	<b>G/m<sup>2</sup> x 24H</b>	<b>-</b>
<b>Shore 0/00</b>	<b>internal</b>	<b>-</b>	<b>16/37</b>
<b>Flammability</b>	<b>MVSS302</b>		

This information on BR:515 F/R chemically cross linked poly foam is presented to the best of our knowledge. All text data are average values based on different product thickness's, around nominal density and should be considered as guidelines only.

Updated and Authorised: 09/08/10 PGB