

# BRETT MARTIN DAYLIGHT SYSTEMS

## DATA SHEET FOR.....Polyethylene Profiled Filler Material

PROPERTY	ISO	UNIT	RESULT
<b>Density</b>	845	KG/CU.MT	33
<b>Tensile Strength</b>			
Lengthwise	1926	kPa	325
Crosswise	1926	kPa	230
<b>Tensile Elongation</b>			
Lengthwise	1926	%	120
Crosswise	1926	%	110
<b>Compressive Strength</b>			
Deflection 10%	844	kPa	15
Deflection 25%	844	kPa	35
Deflection 50%	844	kPa	99
<b>Compression set</b>			
22hrs charge 23°C			
Deflection 25%			
0.5 hrs after discharge	1856-C	%	21
24 hrs after discharge	1856-C	%	12
<b>Thermal Conductivity</b>			
At 10°C	2581	W/mK	0.034
At 20°C	2581	W/mK	0.039
<b>Working Temperature</b>	Internal	°C	-80 / +100
<b>Water Absorption</b>			
After 96 hours	2896	%	< 1
<b>Water Vapour Transmission</b>	1663	g/m <sup>2</sup> x 24 h	-----
<b>"U" - value (23°C, 0.85% r.h.)</b>	1663	-----	-----
<b>Shore hardness 0 and 00 scale</b>	internal	-----	21 and 44

*This information is given to the best of our knowledge. All test data are average values and should be considered as guidelines only.*