

Technical Data Sheet

PE Foam (WCM45)

SPONGE & FOAM

Description	Standard	Value	Unit
<i>Density</i>	ISO 845	45	Kg/m ³
<i>Tensile Strength</i>	ISO 1798	478	kPa
<i>Elongation</i>	ISO 1798	224	%
<i>Compression 10%</i>	ISO 844	88	kPa
<i>Compression 25%</i>	ISO 844	103	kPa
<i>Compression 50%</i>	ISO 844	172	kPa
<i>Compression Set - 0.5hrs</i>	ISO 1856	7	%
<i>Compression Set - 24hrs</i>	ISO 1856	2	%
<i>Compression set 50% 0.5hrs</i>	ISO 1856	20	%
<i>Compression set 50% 24hrs</i>	ISO 1856	7	%
<i>Water Absorbtion % Vol (Max)</i>	Internal	1	%
<i>Working Temperature Range</i>	Internal	-60 / 90	°C
<i>Thermal Conductivity at 10C</i>	ASTM C177	0.0440	W/mK
<i>Thermal Conductivity at 40C</i>	ASTM C177	0.0460	W/mK
<i>Shore - OO</i>	ASTM D2240	61	oo
<i>Flammability</i>	FMVSS302	35	mm/min
<i>Dimensional stability 24 hr at 70c</i>	<2%		
<i>Dimensional stability 24 hr at 90c</i>	<5%		

Polyethylene Foam has many key characteristics including excellent thermal insulation properties with excellent lower and upper temperature ranges.

It also has excellent environmental resistance to ozone and UV light and it is closed cell naturally which ensures very good sealing properties against liquids, gas and particles. It is also light weight, can be non-toxic in various grades and very good with chemicals.

Some grades are available in different colours.



Certificate Number: 14352
 ISO 9001



Care should be taken in selecting the most suitable quality for each application. Advice is available, but final responsibility remains with the customer.

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