

Data Sheet

1323 UK Manufactured 70° Shore WRAS EPDM to BS EN 681-1 for Hot Potable Water

Data Sheet Type	Final
Material Reference	1323
Polymer	EPDM
Date Issued	16/07/24



Description

A UK Manufactured Water Research Advisory Service (WRAS) Approved [EPDM](#) for use in Hot Potable Water Applications up to 85C. All gaskets used in Drinking Water Applications must be made from WRAS Approved Materials and MacLellan is committed to using only materials manufactured within Europe for this critical Application.

Specifications	Values	Test Methods
Accelerated Ageing - Change in Elongation at Break (168 Hours @ 70°C)	+10/-40 %	ISO 37
Accelerated Ageing - Change in Tensile Strength (168 Hours @ 70°C)	-20 %	ISO 37
Accelerated Ageing - Change in Hardness (168 Hours @ 70°C)	+8/-5 ° Shore	ISO 48
Compression Set	< 20 %	ISO 815
Density	1.17 g/cm <sup>3</sup>	ISO 1183
Elongation at Break	> 200 %	ISO 37
Highest Recommended Working Temperature	100 °C	None
Lowest Recommended Working Temperature	-10 °C	None
Potable Water Temperature Rating	85 °C	None
Shore Hardness(IRHD)	70 ° Shore	ISO 48
Tensile Strength	9 MPA	ISO 37

Purposes



Potable Water Suitability



Water Resistant



Weather Resistance

**Important Notes about this Material Data Sheet**

This datasheet has been carefully compiled to advise you, our customer, in the best possible way. The information, figures, test values, and data correspond to actual engineering standards and are the result of many years of tests and trials. As individual operating conditions influence the application of each product, the information supplied in this datasheet can only be seen as a rough guideline. In every case it is the sole responsibility of the customer to evaluate his individual requirements, in particular whether the specified properties of our products are sufficient for the intended use. This datasheet is subject to alteration without prior notice. All mentioned values contained herein are guiding values representing long-term experience averages. Please be aware that Test Results for individual Material Batches will only be provided if requested at the time of order and may be subject to additional charges and/or lead times. This Data Sheet supersedes all previous data sheets and any other data previously provided either Verbally, Electronic or Written, with reference to the above Material Grade.