

Technical Data Sheet

Robatube ES

TPE-V SIC

Typical characteristics

- High temperature resistance
- Chemical resistant
- Good heat ageing resistance

Typical industries

- Paper Industry

	Test method	Unit	Guideline value
General properties			
Density	DIN EN ISO 1183-1	g / cm ³	1,17
Water absorption	DIN EN ISO 62	%	0
Color			violet
Storage period in years			max. 5
Mechanical properties			
Shore hardness	DIN EN ISO 868	scale A	50 +/-5
Tensile strength	internal method	MPa	10,5
Max. pressure	internal method	bar	2,3
Burst pressure	internal method	bar	> 2,3
Elongation at break	internal method	%	498
Thermal properties			
Service temperature, long term	Average	°C	-40 ... 125

The data given are standard values which are based on our experience & previous technical studies. These values are influenced by the design, processing conditions and environmental influences out of our control. The sustainability of the material for a given application is the responsibility of the user. Typing and printing errors reserved. The burst pressure was determined at a temperature of 20°C (locular).

Pressure resistance:

The specified maximum operating pressure and burst pressure are valid only when the component is installed in a geometrically constrained condition and operated at a maximum tangential elongation of 100%.

Test recommendation:

When not installed, pressure and leak testing shall be performed at a maximum test pressure of 0.5 bar only, as higher test pressures may damage the hose.

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Print: 16/10/2026 • Release: 20/09/2023
PIM-ID: 709774 • PIM-Code: 38-4-11.35.31-8-5
Company-IDs: 21510

Page 1 / 1 (Dates in DD/MM/YYYY)

