



## PTFE 20% Ekonol® (Sumicasuper®)

80% PTFE

20% Ekonol® (Sumicasuper®)

Properties	Norm	Value	Unit
<b>Mechanical properties</b>			
Hardness shore D	--	53 – 66	Sh. D.
Tensile strength (23°C)	ASTM D4894	20 – 26	N/mm <sup>2</sup>
Elongation at break (23°C)	ASTM D4894	250 – 320	%min
Diametric shrinkage	--	2,3 +/- 0,5	%
<b>Physical properties</b>			
Specific gravity	ASTM D1457	1,95 – 2,15	g/cm <sup>3</sup>
<b>Thermal properties</b>			
Coefficient of thermal expansion (20-150°C)	--	11	1/K.10 <sup>-5</sup>
Coefficient of thermal expansion (150-260°C)	--	14	1/K.10 <sup>-5</sup>
Thermal conductivity (23°C)	DIN 52 612	0,32	W/K.m
Maximum Continuous operating temperature	--	250	°C
Minimum Continuous operating temperature	--	-200	°C

**Disclaimer:** Information contained in this data sheet is up-to-date and correct as at the date of issue. The given information is only informative and we cannot guarantee the accuracy nor can we take any accountability for the use of this information. The customer is responsible for the quality of products and has to test usage and processing to use. Some values are based on the datasheet of the supplier, internal tests and research. The values are guideline values that can be used for comparison for material selection.