

MATERIAL DATA SHEET

ECOFLON 1 (white) Polytetrafluorethylene (Virgin PTFE)

Property	Unit	Value	Standard
Density	g/cm ³	2,17	DIN 53479
Durometer hardness	Shore D	57	DIN 53505
Tensile strength	N/mm ²	27	DIN 53455
Elongation at break	%	300	DIN 53455
Tensile modulus	N/mm ²	750	DIN 53457
Impact resistance, Charpy	kJ/m ²	no break	DIN 54453
Coefficient of thermal expansion (25°C)	K ⁻¹	16 · 10 ⁻⁵	DIN 52328
Coefficient of sliding	---	0,08	----
Coefficient of thermal conductivity	W/m.K	0,23	----
Minimum service temperature	°C	- 200	----
Maximum service temperature	°C	+ 260	----

The mentioned data are only valid for test pieces of the corresponding ISO, DIN and ASTM standards and cannot be directly related to gaskets and joints. These values are only tested on selected samples.