

# MATERIAL DATA SHEET

## ECOFLON IV (black) PTFE filled with 25% carbon

Property	Unit	Value	Standard
Density	g/cm <sup>3</sup>	2,10	ASTM D 1457
Durometer hardness	Shore D	65	DIN 53505
Tensile strength	N/mm <sup>2</sup>	15	ASTM D 1457
Elongation at break	%	180	ASTM D 1457
Coefficient of thermal expansion (25°C)	K <sup>-1</sup>	9 · 10 <sup>-5</sup>	DIN 52328
Deformation unter load, unloaded (14 N/mm <sup>2</sup> , 24 h, 25°C)	%	----	----
Coefficient of thermal conductivity	W/m.K	0,60	DIN 62612
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. The values which are marked with the symbols greater than ( $\geq$ ) and smaller than ( $\leq$ ) are nominal values and must be fulfilled of each batch. All values which are not marked are typical values which are only tested on selected samples.