

Data Sheet: FFKM80°3528

FFKM 80 ± 5 Shore A, black, improved chemical resistance grade
 Designed for high temperature chemical resistant applications
 Low compression set and long term performance
 Temperature resistance from - 5°C to + 300°C (continuous operating temperature)

Tested values			
100% modulus	Mpa	ASTM D412	12,5
Tensile strength	Mpa	ASTM D412	17
Ultimate elongation	%	ASTM D412	153
Hardness	Shore A	ASTM D2240	81
Compression set			
Permanent set	%	ASTM D395/B	70 hrs / 200°C 14
Low temperature flexibility			
TR-10	°C	ASTM D1329	-2
Air ageing			
Change in tensile strength	%	ASTM D573	70 hrs / 300°C -17
Change in ultimate elongation	%	ASTM D573	70 hrs / 300°C -3
Change in hardness	Shore A	ASTM D573	70 hrs / 300°C 0
Jet Oil 254			
Change in tensile strength	%	ASTM D471	504 hrs / 230°C -7
Change in ultimate elongation	%	ASTM D471	504 hrs / 230°C -9
Change in hardness	Shore A	ASTM D471	504 hrs / 230°C -2
Change in volume	%	ASTM D471	504 hrs / 230°C +2

The above test results are based on test slabs / buttons. The results from the actual parts may be different.

Issue Date: 26/01/2021