

ELABORATION	CONTROL	APPROVAL	CHRONO	DATE
F00623	Cécile Angibault	Mathieu Cabardis	26-047	02/07/2026

TECHNICAL MATERIAL DATA SHEET

Material n° : K6176	Colour : Noir / Black
Base : NBR	
Hardness : 70 Shore A±5	

A Physical characteristics	Unit	Required	Results
Hardness, ±5 Shores A (ASTM D 2240)			70
Tensile strength, min (ASTM D 412, Method C)	kg/cm ²		60
Elongation at break, min (ASTM D 412, Method C)	%		300
Specific gravity (ASTM D 1817)	g/cm ³		1.40
Services temperatures (-30 to +260)	°C		OK

B Fluid resistance (oil)	Unit	Required	Results
Change in hardness (ASTM D 471 70h at 70°C)	%		±10
Change in volume (ASTM D 471 70h at 70°C)	%		≤ 50

C Heat resistance	Unit	Required	Results
Change in hardness (ASTM D 573 72H at 70°C)	Shore A		≤ ± 5
Change in tensile strength (ASTM D 573 72H at 70°C)	%		≤ -15
Change in ultimate elongation (ASTM D 573 72H at 70°C)	%		≤ -20

E Dimensions	Unit	Required	Results
Thickness (Sheet)	mm		1/1.5/2/2.5/3-50

*The values are based on material slabs & buttons and are given as an indication.
We advise you to do your own tests validation.*