

ELABORATION	CONTROL	APPROVAL	CHRONO	DATE
F00623	C. ANGIBAULT	M. CABARDIS	26-049	02/07/2026

TECHNICAL MATERIAL DATA SHEET

Material n° : K5027	Colour : Noir / Black
Base : NBR standard	
Hardness : 65 Shore A±5	

Physical characteristics	Unit	Required	Results
Hardness, ±5 Shores A (ASTM D2240)			65
Tensile strength, min (ASTM D412)	kg/cm ²		100
Elongation at break, min (ASTM D412)	%		350
Tear resistance (ASTM D624)	kg/cm		55
Compression set (24h - 70°C) (ASTM D 395, Method B)	%		35
Temperature resistance			-30 / +110

A Thermal aging	Unit	Required	Results
Hardness (ASTM D573)	Shore A		≤ ± 5
Tensile strenght (ASTM D573)	%		≤ -20
Elongation before break (ASTM D573)	%		≤ -20

C Aging	Unit	Required	Results
Change in volume (ASTM D471)	%		≤ - 10 / ≤ ± 10

D Dimensions	Unit	Required	Results
Thickness (sheet)			1-10/12-20/25-50

Z Compliant material	Unit	Required	Results
Unleaded gasoline			OK
Super unleaded gasoline			OK

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