



TECHNICAL DATA SHEET

Compound :	NBR Black	Copolymer acrylonitrile / butadiene (with percentage of ACN from 18% up to 50% approx.)
Base fabric type:	Cotton	

ORIGINAL PROPERTIES : Analysis on supplier laboratory compound

Physical-mechanical properties	Unit of measurement	Requested
Hardness	Shore A	-
Elongation at break	N/5cm	≥ 750 / ≥ 750
Minimum temperature	° C	- 15 ÷ - 30
Maximum temperature	° C	100 ÷ 110 (130)

Physical-mechanical characteristics	<i>Excellent mechanical properties</i> <i>Good resistance to permanent deformation</i> <i>Good abrasion resistance</i>
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Other properties	<i>Absence of toxicity</i> <i>Good dyeing</i> <i>Air and gas impermeability from good to excellent</i> <i>Poor UV radiation resistance</i> <i>Any flame resistance</i> <i>Poor dielectric properties</i>
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Chemical compatibility	<i>Excellent in contact with:</i> <ul style="list-style-type: none"> - Oils and mineral, vegetable and animal greases - Aliphatics hydrocarbons * ** and fuels * ** - Water ** and saline solutions
	<i>Satisfactory in contact with:</i> <ul style="list-style-type: none"> - Hydraulic fluids on the basis of fuel-oils and of silicic esters - Different kinds of freon - Alcohols (except the benzil) - Concentrated alkaline solutions up to 50°C *
	<i>Satisfactory enough in contact with:</i> <ul style="list-style-type: none"> - Diluted acid solutions - Xilene and toluene * ** - Sintetic lubricants on the basis of diesters
	<i>Insufficient in contact with:</i> <ul style="list-style-type: none"> - Strong concentrated mineral acids, hot diluited alkaline solutions - Ozone and atmospheric agents (except with formulations containing protective agents) - Different brake fluids on the basis of not fuel-oils - Ketones and esters - Benzene and chloridated hydrocarbons - Hydraulic fluids on the basis of phosphoric esters - Phenol

* depending from the types

** with a specific optimal formulation