



MANUFACTURER **LJF** Le Joint Français

CHARACTERISTICS CARD

PC851

Elastomers:	NBR (<i>Nitrile</i>)	Color:	Black
Hardness:	83 (<i>Shore A</i>)	International hardness:	80 (<i>DIDC</i>)
Traction resistance:	19 (<i>MPa</i>)	Elongation at break:	250 (%)
DRC after 24 h up to 100°C:	15 (%)	Non fragility limit temperature:	-30 (°C)
Traction-shrinkage, TR 10:	-20 (°C)	Use temperature:	-30 up to + 100 (°C)

Resistance to petroleum products:

Variation in volume (%) :	After 72h up to 100°C	After 72h up to 23°C
	- Oil n°1: -7	- Solvent A: +1
	- Oil n°2: -1	- Solvent B: +23
	- Oil n°3: +6	- Solvent C: +40

Particular information

- Nitrile rubber of great hardness
- ASTM D 2000 6B6 814 A14 B14 E014 E034
- Correspondence NFT 47503 : NBR 80 TR1

Typical applications

- Hydraulics and pneumatic
- Plumbing fixture
- Fuel and mineral oil system

NB

- 1 - The values mentioned above result from several tests. They shouldn't be used without our prior agreement to draft specifications.
- 2 - The characteristics mentioned above are the result of tests realized according to AFNOR standards:
 - Hardness shore A following NFT 46-052
 - Hardness DIDC following NFT 46-003
 - Traction resistance and elongation at break according to NFT 46-002, H2 test tube
 - DRC (persistent distortion at traction) according to NFT 46-011, test tube: type A
 - Non-fragility limit temperature according to NFT 46-018
 - Traction/shrinkage temperature TR 10 according to NFT 46-032
 - Resistance to petroleum products according to NFT 46-013, 2 mm thick test tube
- 3 - The mix can be used only to:
 - Realize parts whose forms or sizes are clearly defined.
 - Implement some processes

PLEASE CONSULT US BEFORE ORDERING