

Nitrile ES 9/3 01+12 Black

Article code: LWNI560291

General information

Product group Light Weight Rubber

Belt construction

Tension layer		polyester spun, flexible
Number of plies		3
Top side	material	Nitrile, Nitrile
	finish	smooth, Smooth
	color	black
Bottom side	material	Nitrile, polyester
	finish	smooth
	color	black

Characteristics

Food Grade (FG)	no
Antistatic (AS)	no
Flame-retardant (FR)	no

Technical data

Hardness	ISO 868	top side	71A Shore	
Force at 1% elongation	ISO 21181		9 N/mm	51.39 lbs/in.
Thickness	AB method KV.002	belt	3.43 mm	0.14 in.
		top cover	1.2 mm	0.05 in.
Weight	AB method KV.004		4.1 kg/m ²	0.84 lbs/ft ²
Operating temperature	continuous	from / to	-18 / 121 °C	-0.4 / 249.8 °F
	short	from / to	-18 / 121 °C	-0.4 / 249.8 °F
Minimum pulley diameter	flexing		65 mm	2.56 in.
	backflexing		100 mm	3.94 in.
Manufacturing width	standard		1829 mm	72.01 in.
	maximum		1829 mm	72.01 in.

Fabrication

Vulcanizing is always preferable. Cold splicing can only be done when the belt is exposed to normal temperature and the humidity is not excessive. For the working method, consult the splice information and the equipment literature. Apply the recommended splice as indicated in the separate information.

Additional information

This sheet contains typical values, which apply to a temperature of approx. 20 °C (68 °F), unless otherwise stated, individual data may differ.

We recommend to keep the belt tension to a practical working minimum to maximize the service life of the belt and machine parts.

Always protect belts from sunlight/UV-radiation, avoid temperatures below 10°C and above 40°C, dust and dirt. Store belts in a cool and dry place and if possible in their original packaging.

For details consult 'Storage and handling instructions' or contact our specialist.