

Nitrile BX EP 12/3 C5+C5 white CR AS FR FG

Article code: LWCN560123

General information

Product group	Light Weight Rubber
Industry segment	Food: Sugar
Main product feature	Cold resistant, Antistatic, Flame retardant, Foodgrade

Belt construction

Tension layer		RFL polyester/nylon, flexible
Number of plies		3
Top side	material	Nitrile BX, NX
	finish	profile, C5 Light fabric profile
	color	white
Bottom side	material	Nitrile, NX
	finish	profile
	color	white

Characteristics

Food Grade (FG)	yes
Antistatic (AS)	yes
Flame-retardant (FR)	yes
ATEX approval	ATEX 2

Technical data

Hardness	ISO 868	top side	70A Shore	
Force at 1% elongation	ISO 21181		12 N/mm	68.52 lbs/in.
Thickness	AB method KV.002	belt	6.1 mm	0.24 in.
		top cover	1.0 mm	0.04 in.
Weight	AB method KV.004		8.5 kg/m ²	1.74 lbs/ft ²
Operating temperature	continuous	from / to	-18 / 121 °C	-0.4 / 249.8 °F
	short	from / to	-18 / 135 °C	-0.4 / 275 °F
Minimum pulley diameter	flexing		150 mm	5.91 in.
	backflexing		150 mm	5.91 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.