

Carboxylated Acrylonitrile-Butadiene Rubber (XNBR) – Colour Blue

General:

XNBR is a nitrile rubber produced by the addition of carboxylic acid to nitrile butadiene rubber (NBR). This improves the abrasion resistance and tensile strength of the material. XNBR is suited for seals, hoses, rubber belts and O-rings because it has excellent resistance to oil, abrasion, and heat.

Benefits:

- Excellent Oil resistance
- High abrasion resistance
- Heat resistant (120 °C)

Limitations

- Poor resistance to concentrated Acid/Base
- Minimum temperature of -25 °C
- Poor flame resistance

ASMPT Applications:

- Vulcanised Shafts

These values are representative. For critical applications, refer to datasheet.

Mechanical Properties					
	HARDNESS SHORE A	TENSILE STRENGTH	ABRASION RESILIENCE	TEAR STRENGTH:	DENSITY
XNBR	50	15 MPa	125 – 230mm ³	34-45 N/mm	1.08 – 1.28 (g/cm ³)

Material Grade	Supplier
RCN 5069F/Q	Trafford Rubber Products Limited

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XN5069	Hexpol Compounding

Alternatives:

Alternative polymers are allowed only with the express written permission of ASMPT. Please email details of your request to engineering_enquiries@asmpt.com

Issue	01	02	03	04	05	06	07	08
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