

Data Sheet

Hycatrol Coated Fabric

Data Sheet Type	Final
Material Reference	Hycatrol
Polymer	NBR
Date Issued	21/11/24



Description

A high performance Nitrile / PVC blend Rubber coated Nylon fabric widely used in the manufacture of flexible fuel tanks. The material has excellent fuel resistance, ozone, abrasion and weathering resistance and is self healing in the event of puncture.

Coat weight of rubber will vary according to the thickness required. Higher thicknesses many have multiple plies of fabric.

Specifications	Values	Test Methods
Blocking	No Adherence or Peeling	BSF 100
Coat Weight Per Side	45 g/m ²	BSF 100 Method 18
Coating Adhesion	20 N/50mm	BSF 100
Cold Cracking	-30 °C	BS3424 Part 8 Method 10A
Compression Set	35 %	ASTM D395 Method B
Elongation at Break	500 %	ASTM D412
Fabric Weight	85 g/m ²	None
Flex Cracking	No Delamination or Cracking after 20,000 Cycles	BS3424 Part 9 Method 11 B
Highest Recommended Working Temperature	130 °C	None
Lowest Recommended Working Temperature	-30 °C	None
Shore Hardness (Shore A)	65 °C	BS 903 Part A43
Tensile Strength	15 MPA	ASTM D412
Warp	110 N	BSF 100
Weft	85 N	BSF 100

Purposes



Oil Resistance



Petrol Resistance

Important Notes about this Material Data Sheet

This datasheet has been carefully compiled to advise you, our customer, in the best possible way. The information, figures, test values, and data correspond to actual engineering standards and are the result of many years of tests and trials. As individual operating conditions influence the application of each product, the information supplied in this datasheet can only be seen as a rough guideline. In every case it is the sole responsibility of the customer to evaluate his individual requirements, in particular whether the specified properties of our products are sufficient for the intended use. This datasheet is subject to alteration without prior notice. All mentioned values contained herein are guiding values representing long-term experience averages. Please be aware that Test Results for individual Material Batches will only be provided if requested at the time of order and may be subject to additional charges and/or lead times. This Data Sheet supersedes all previous data sheets and any other data previously provided either Verbally, Electronic or Written, with reference to the above Material Grade.