

Data Sheet

Hycatrol Coated Fabric

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| Data Sheet Type | Final |
| Material Reference | Hycatrol |
| Polymer | NBR |
| Date Issued | 29/09/20 |



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.