

PTFE-COATED SPECIAL

SP305

SP305 is a specialty PTFE-coated woven fibreglass fabric that provides a good low friction surface properties with a smooth surface

This product is used in electromagnetic solenoids in the following applications: Automatic transmission control valves; Powertrain hydraulic systems; Hydraulic breaking systems; Exhaust gas re-circulation; Fuel shut-off valves; Hydraulic construction machinery; Industrial process controls; Automation equipment.

TYPICAL PROPERTIES

| PROPERTY | METRIC | | IMPERIAL | | TEST METHOD |
|------------------------|--------------|------------------|--------------|--------------------|----------------|
| Standard Widths | 1000 | mm | 39.4 | in | - |
| Weight | 220 | g/m ² | 6.5 | oz/yd ² | FTMS 191A-5041 |
| Thickness | 0.110 | mm | 5 | mil | FTMS 191A-5030 |
| Tensile Strength | 200 x 150 | N/cm | 115 x 85 | lb/in | FTMS 191A-5102 |
| Trap Tear Strength | 18 x 18 | N | 4.0 x 4.0 | lb | FTMS 191A-5136 |
| Temperature Resistance | -150 to +260 | °C | -240 to +500 | °F | - |
| RA Roughness | 1.27 | µm | 50 | µin | - |
| PTFE Content | 52 % | | | | - |

FEATURES AND BENEFITS

- Thin and Lightweight
- Non-magnetic layer with tight tolerances
- Low friction surface
- Die cut pieces
- High & low temperature stability
- Highly lubricious surface
- Highly resistant to oils & lubricants
- Consistent mechanical wear
- Increased driver comfort
- Lower hysteresis
- Reduced power requirements
- Faster reaction times
- Smaller solenoids
- Higher reliability
- Greater design flexibility
- Reduced CO₂ emissions
- Increased vehicle economics
- Proven long life solution
- Space and mass savings

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IMPORTANT: Pictures shown are for illustration purpose only. The values presented are typical values and should not be used for specification purposes. Contact your representative for more information. It is the user's responsibility to ensure the suitability and safety of Versiv Composites products for all intended uses and that the materials to be used comply with all applicable regulatory requirements. Versiv Composites Limited assumes no responsibility for any product failures that occur due to misuse of the materials it provides arising out of the design, fabrication, or application of the products into which the materials are incorporated by purchaser and/or user.

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