



DW423-15

UHMW Tape

DeWAL® DW423-15 is a pressure sensitive tape using Ultra-High Molecular Weight (UHMW) polyethylene film with an aggressive acrylic adhesive.

Applications:

- Automotive and mechanical applications
- Chute liners
- Wear pads
- Guide rails

Industry(s):

- Automotive
- Hose
- Mechanical

Features and Benefits

- Non-stick surface
- Low friction
- High tensile strength
- Abrasion resistant

| Basic Physical Properties | Typical Value   | Units           | Test Method |
|---------------------------|-----------------|-----------------|-------------|
| Tensile Strength          | 50 / 7315       | MPa / psi       | ASTM-D3759  |
| Elongation                | 450             | %               | ASTM-D3759  |
| Adhesion to Steel         | 792 / 71        | g/cm / oz/in    | ASTM-D 1000 |
| Color                     | Natural         | N/A             | N/A         |
| Construction              | Typical Value   | Units           | Test Method |
| Substrate                 | UHMW-PE Film    | N/A             | N/A         |
| Substrate Thickness       | 0.381 / 0.015   | mm / in         | N/A         |
| Adhesive System           | Acrylic         | N/A             | N/A         |
| Adhesive Thickness        | 0.058 / 0.0023  | mm / in         | N/A         |
| Overall Thickness         | 0.4394 / 0.0173 | mm / in         | ASTM-D374   |
| Min Width                 | 6.35 / 0.25     | mm / in         | N/A         |
| Max Width                 | 660.4 / 26      | mm / in         | N/A         |
| Heat and Flame            | Typical Value   | Units           | Test Method |
| Max Operating Temp.       | 93 / 200        | °C / °F         | N/A         |
| Processing & Packaging    | Typical Value   | Units           | Test Method |
| Shelf Life                | 24              | Months from DOM | N/A         |
| Shelf Life Storage Temp.  | 21 / 70         | °C / °F         | N/A         |
| Roll Length               | 16 / 18         | m / yd          | N/A         |
| Standard Core Type        | Plastic         | N/A             | N/A         |
| Core Diameter             | 76 / 3          | mm / in         | N/A         |
| Standard Liner            | Blue Polyester  | N/A             | N/A         |

- Typical values shown are from testing at date of manufacture and should not be used for specification limits.
- Additional technical information and product specifications are available upon request.
- Shelf life is 24 months from the date of manufacture with storage conditions of 21°C (70°F) and 50% RH.
- All metric conversions are approximate.

Note: Shelf life is defined as the duration of time for which the product will meet the physical characteristics outlined on this page. It does not guarantee the product's usefulness in all applications.



The information contained in this Data Sheet is intended to assist you in designing with Rogers' Elastomeric Material Solutions. It is not intended to and does not create any warranties, express or implied, including any warranty of merchantability or fitness for a particular purpose or that the results shown in this Data Sheet will be achieved by a user for a particular purpose. The user should determine the suitability of Rogers DeWAL products for each application. The Rogers logo, DeWAL logo and DeWAL are trademarks of Rogers Corporation or one of its subsidiaries.