

# Product Information Automotive and Transportation



DOW CORNING

## Multiflex<sup>®</sup> TES A 2509 SL1 GRE PL25364 Thermoplastic Elastomer

### FEATURES & BENEFITS

- Excellent compression set
- Meets odor and fogging requirement for interior
- Grey
- Compatibility: PP

### APPLICATIONS

- Multiflex<sup>®</sup> TES A 2509 SL1 GRE PL25364 is designed for use in injection molding

### TYPICAL PROPERTIES

Specification Writers: These values are not intended for use in preparing specifications. Please contact your local Dow Corning sales office or your Global Dow Corning Connection before writing specifications on this product.

| Test*                           | Property                                            | Unit | Result |
|---------------------------------|-----------------------------------------------------|------|--------|
| ISO 868                         | Hardness                                            | Sh.A | 25     |
| ISO R1183                       | Density                                             |      | 1.03   |
| MDA 179                         | Spiral flow condition A                             | cm   | > 85   |
| MDA 179                         | Spiral flow condition C                             | cm   | 69     |
| ISO 37 Type 1<br>v = 500 mm/min | Tensile strength at 100% elongation cross direction | MPa  | 0.5    |
| ISO 37 Type 1<br>v = 500 mm/min | Tensile strength at break cross direction           | MPa  | 4.2    |
| ISO 37 Type 1<br>v = 500 mm/min | Elongation at break cross direction                 | %    | 820    |
| ISO 34                          | Tear strength cross direction                       | kN/m | 17     |
| MDA 129                         | Compression set 24h/23°C without annealing          | %    | 11     |
| MDA 129                         | Compression set 24h/70°C without annealing          | %    | 35     |
| MDA 129                         | Compression set 24h/100°C without annealing         | %    | 72     |

\*ISO: International Standardization Organization

MDA (Méthode d'Analyse): Issued from ISO Standards

### GUIDELINES FOR INJECTION MOLDING

| Drying                |            | Not needed                           |
|-----------------------|------------|--------------------------------------|
| Barrel temperature °C | Feed Zone  | 150 +/- 10                           |
|                       | Transition | 170 +/- 10                           |
|                       | Front      | 190 +/- 10                           |
|                       | Nozzle     | 200 +/- 10                           |
| Melt temperature °C   |            | 200 +/- 10                           |
| Back Pressure Bars    |            | 10 +/- 5                             |
| Injection Speed       |            | 70 +/- 10% max                       |
| Holding Pressure      |            | 30 +/- 10% of Max Injection Pressure |
| Mold Temperature °C   |            | 40 +/- 20                            |
| Hot runner °C         |            | 180 +/- 10                           |

**HANDLING  
PRECAUTIONS  
PRODUCT SAFETY  
INFORMATION REQUIRED FOR  
SAFE USE IS NOT INCLUDED IN  
THIS DOCUMENT. BEFORE  
HANDLING, READ PRODUCT  
AND SAFETY DATA SHEETS  
AND CONTAINER LABELS FOR  
SAFE USE, PHYSICAL AND  
HEALTH HAZARD  
INFORMATION. THE SAFETY  
DATA SHEET IS AVAILABLE ON  
THE DOW CORNING WEBSITE**

## **USABLE LIFE AND STORAGE**

Refer to product label for storage temperature conditions. Containers should be kept tightly closed and kept in cold storage at all times to extend shelf life. Shelf life is indicated by the "Use Before" date found on the product label.

## **PACKAGING INFORMATION**

This product is available in a variety of container sizes. Contact your local Dow Corning sales representative for information about container sizes available in your area.

## **LIMITATIONS**

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

## **HEALTH AND ENVIRONMENTAL INFORMATION**

To support customers in their product safety needs, Dow Corning has an extensive Product Stewardship organization and a team of Product Safety and Regulatory Compliance (PS&RC) specialists available in each area.

**TO THE FULLEST EXTENT  
PERMITTED BY APPLICABLE  
LAW, DOW CORNING  
SPECIFICALLY DISCLAIMS  
ANY OTHER EXPRESS OR  
IMPLIED WARRANTY OF  
FITNESS FOR A PARTICULAR  
PURPOSE OR  
MERCHANTABILITY.**

**DOW CORNING DISCLAIMS  
LIABILITY FOR ANY  
INCIDENTAL OR  
CONSEQUENTIAL DAMAGES.**

*We help you invent the future.™*

## **LIMITED WARRANTY INFORMATION – PLEASE READ CAREFULLY**

The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are safe, effective, and fully satisfactory for the intended end use. Suggestions of use shall not be taken as inducements to infringe any patent.

Dow Corning's sole warranty is that our products will meet the sales specifications in effect at the time of shipment.

Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted.



Multibase is a subsidiary of The Dow Chemical Company.