# MULTIFLEX™ TES 2403 SI1 NAT

STYRENIC THERMOPLASTIC ELASTOMER

## Rheological properties

| | | | |
|---|---|---|---|
| Melt volume-flow rate | 6 | cm³/10min | ISO 1133 |
| Melt mass-flow rate | 4 | g/10min | ISO 1133 |
| Temperature | 230 | °C | ISO 1133 |
| Load | 5 | kg | ISO 1133 |
| Moulding shrinkage, parallel | 1.5 | % | ISO 294-4, 2577 |
| Flow length | 270 | mm | |

## Typical mechanical properties

| | | | |
|---|---|---|---|
| Stress at break | 14 | MPa | ISO 527-1/-2 or ISO 37 |
| Elongation at break | 250 | % | ISO 527-1/-2 or ISO 37 |
| Flexural Modulus | 230 | MPa | ISO 178 |
| Izod notched impact strength, -45°C | 75 | kJ/m² | ISO 180/1A |
| Shore D hardness, 15s | 34 | | ISO 48-4 / ISO 868 |
| Tear strength, parallel | 75 | kN/m | ISO 34-1 |

## Other properties

| | | | |
|---|---|---|---|
| Density | 890 | kg/m³ | ISO 1183 |

## Injection

| | | |
|---|---|---|
| Drying Recommended | yes | |
| Drying Temperature | 65 | °C |
| Drying Time, Dehumidified Dryer | 2 - 4 | h |
| Melt Temperature Optimum | 230 | °C |
| Mold Temperature Optimum | 35 | °C |
| Min. mould temperature | 20 | °C |
| Max. mould temperature | 50 | °C |
| Hold pressure range | as low as possible | MPa |
| Back pressure | 1 | MPa |
| Injection speed | Medium-High | mm/s |

## Storage and stability

| | | |
|---|---|---|
| Shelf life | 1800 | days |

## Characteristics

| | |
|---|---|
| Compatibility | Polyolefins |

# MULTIFLEX™ TES 2403 SI1 NAT

STYRENIC THERMOPLASTIC ELASTOMER

## Additional information

| | |
|---|---|
| Injection molding | Drying before moulding is normally not required, but may be needed if the product is stored in a high humidity environment.<br>Lower temperature on the moving part of the mould is prefered. |



DuPont

Please refer to DuPont Medical Application Policy before any use of DuPont material in a medical application- Position Statements | DuPont .

Do not use DuPont products in medical application involving permanent implantation (more than 29 days) in the human body or contact with internal body fluids or tissues (for more than 29 days) unless the product has been provided from DuPont under a written contract that is consistent with the DuPont policy regarding medical applications and expressly acknowledges the contemplated use.

Although these products may have been tested in accordance with certain USP Class VI or ISO 10993 standards, DuPont makes no representation or warranty, express or implied, regarding the suitability of its products for any particular healthcare or medical application, nor does it make any other representations or warranties based on such testing. Customers are solely responsible for determining whether DuPont products are suitable for their intended purpose and for ensuring legal and regulatory compliance of the product in final application. DuPont disclaims any and all liability for incidental, special, or consequential damages arising out of or relating to the customer's use of DuPont products.

The information, suggestions, and data (collectively referred to as "Information") set forth herein are based on technical data that DuPont believes to be reliable and fall within the normal range of properties. Such Information is provided for informational purposes only and is not intended to substitute for any testing necessary to determine the suitability of a particular material for a specific purpose. The Information is to be used and relied upon at the user's sole discretion and risk. DuPont makes no warranties, express or implied, and disclaims any and all liability, whether direct or indirect, for damages or losses arising out of or relating to the use of the Information, suggestions, data, or materials described herein.

Statements concerning the use of the products or formulations described herein are not to be construed as recommending the infringement of any patent, copyright, designs or other intellectual property and no liability for infringement arising out of such use is assumed by DuPont. None of this information is to be considered as a license to operate under, or recommendation to infringe, any patents.