

# RILSAN®

## TIEFLEX S452 NAT T6L

Rilsan® TIEFLEX S452 NAT T6L resin is a flexible tie layer alloy partially based on renewable resources. This grade is designed for multilayer automotive and trucks lines (tie layer for fuel line). In the case of direct contact with fuel, contact Arkema representative for recommendations.

### Packaging:

This grade is delivered dried in sealed packaging (25kg bags) ready to be processed.

### Shelf life:

Two years from the date of delivery. For any use above this limit, please refer to our technical services.

| 特性                                | 乾燥/調湿         | 単位        | テスト基準          |
|-----------------------------------|---------------|-----------|----------------|
| レオロジー特性                           |               |           |                |
| メルトボリュームレイト                       | 3.7 / *       | cm³/10min | ISO 1133       |
| 温度                                | 235 / *       | °C        | -              |
|                                   | 455 / *       | °F        | -              |
| 荷重                                | 5 / *         | kg        | -              |
|                                   | 11 / *        | lb        | -              |
| 機械的特性                             |               |           |                |
| 引張弾性率                             | 685 / 515     | MPa       | ISO 527-1/-2   |
|                                   | 99400 / 74700 | psi       |                |
| 降伏応力                              | - / 33        | MPa       | ISO 527-1/-2   |
|                                   | - / 4790      | psi       |                |
| 降伏ひずみ                             | - / 31        | %         | ISO 527-1/-2   |
| 破壊呼びひずみ                           | - / >50       | %         | ISO 527-1/-2   |
| シャルピー衝撃強さ, +23°C                  | - / 未破壊       | kJ/m²     | ISO 179/1eU    |
| シャルピー衝撃強さ, -30°C                  | - / 未破壊       | kJ/m²     | ISO 179/1eU    |
| ノッチ付きシャルピー衝撃強さ, +23°C             | - / 95        | kJ/m²     | ISO 179/1eA    |
|                                   | - / 45.2      | ftlb/in²  |                |
| ノッチ付きシャルピー衝撃強さ, -30°C             | - / 6.5       | kJ/m²     | ISO 179/1eA    |
|                                   | - / 3.09      | ftlb/in²  |                |
| 熱的特性                              |               |           |                |
| 溶融温度, 10°C/min                    | 217 / *       | °C        | ISO 11357-1/-3 |
| その他の特性                            |               |           |                |
| 吸水率, 23°C, immersion, equilibrium | 2.9 / *       | %         | ISO 62         |
| 吸湿率                               | 1.2 / *       | %         | ISO 62         |
| 密度                                | 1090 / -      | kg/m³     | ISO 1183       |
|                                   | 1.09 / -      | g/cm³     |                |

Arkema France - A French "société anonyme", registered in the Nanterre (France) Trade and Companies Register under the number 319 632 790 SDC/11-2018  
Source: automatically generated TDS from Material Database on 20-02-2024

# RILSAN®

## TIEFLEX S452 NAT T6L

### Processing conditions

- Typical melt temperature (min / recommended / max): 220°C / 230°C / 270°C
- Drying time and temperature (only necessary for bags opened for more than two hours): 4-6 hours at 80°C

|                                                            |                                                                                                                                         |
|------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| 成形加工法<br>その他の押出成形                                          | Headquarters:<br>Arkema France<br>420 rue d'Estienne d'Orves 92705<br>Colombes Cedex France<br>T +33 (0)1 49 00 80 80<br>hpp.arkema.com |
| 納入形状<br>ペレット                                               |                                                                                                                                         |
| 領域別の利用可能性<br>北アメリカ, ヨーロッパ, アジア/太平洋地域,<br>南・中央アメリカ, 近東/アフリカ |                                                                                                                                         |
|                                                            |                                                                                                                                         |

The statements, technical information and recommendations contained herein are believed to be accurate as of the date hereof. Since the conditions and methods of use of the product and of the information referred to herein are beyond our control, ARKEMA expressly disclaims any and all liability as to any results obtained or arising from any use of the product or reliance on such information; NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE, WARRANTY OF MERCHANTABILITY OR ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, IS MADE CONCERNING THE GOODS DESCRIBED OR THE INFORMATION PROVIDED HEREIN. The information provided herein relates only to the specific product designated and may not be applicable when such product is used in combination with other materials or in any process. The user should thoroughly test any application before commercialization. Nothing contained herein constitutes a license to practice under any patent and it should not be construed as an inducement to infringe any patent and the user is advised to take appropriate steps to be sure that any proposed use of the product will not result in patent infringement.