

# Elastollan® 598 A

Thermoplastic Polyurethane Elastomer (Polyester)

BASF Polyurethanes GmbH

## Message:

Thermoplastic Polyester Polyurethane Elastomers with excellent mechanical properties and in particular, good abrasion resistance.

Typical applications

Shoes, parts subject to regular wear and tear, castor tyres and films.

| General Information             |                           |                   |             |
|---------------------------------|---------------------------|-------------------|-------------|
| Features                        | Good Abrasion Resistance  |                   |             |
| Uses                            | Film                      |                   |             |
|                                 | Footwear                  |                   |             |
| Processing Method               | Extrusion                 |                   |             |
|                                 | Injection Molding         |                   |             |
| Physical                        | Nominal Value             | Unit              | Test Method |
| Density                         | 1.26                      | g/cm <sup>3</sup> | ISO 1183/A  |
| Hardness                        | Nominal Value             | Unit              | Test Method |
| Shore Hardness (Shore D, 3 sec) | 53                        |                   | ISO 7619    |
| Mechanical                      | Nominal Value             | Unit              | Test Method |
| Abrasion Loss                   | 30.0                      | mm <sup>3</sup>   | ISO 4649-A  |
| Elastomers                      | Nominal Value             | Unit              | Test Method |
| Tensile Stress (Yield)          | 50.0                      | MPa               | DIN 53504   |
| Tensile Elongation (Break)      | 500                       | %                 | DIN 53504   |
| Tear Strength <sup>1</sup>      | 150                       | kN/m              | ISO 34-1    |
| Injection                       | Nominal Value             | Unit              |             |
| Processing (Melt) Temp          | 175 to 230                | °C                |             |
| Mold Temperature                | 20.0 to 70.0              | °C                |             |
| Extrusion                       | Nominal Value             | Unit              |             |
| Melt Temperature                | 175 to 220                | °C                |             |
| NOTE                            |                           |                   |             |
| 1.                              | Method Bb, Angle (Nicked) |                   |             |

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