



## Desmopan 9380A GMP

TPU

Covestro Deutschland AG

- Extrusion- and injection molding grade
- very good hydrolysis and microbial resistance
- good low-temperature flexibility
- complies with VDE 0282-10
- This product is manufactured under Good Manufacturing Practice (GMP defined in Regulation (EC) No. 2023/2006) and is therefore limited suitability for use with food contact. Please refer our separate certificate at <http://www.tpu.covestro.com/en/Library/Certificates/Food-Contact.aspx>.
- Application
- Cable sheathings
- Hoses, non-reinforced

| Mechanical Properties                        | Value | Unit            | Test Standard |
|--|-------|-----------------|---------------|
| <b>ISO Data</b>                              |       |                 |               |
| Compression Set under constant strain, 23°C  | 25    | %               | ISO 815       |
| Compression Set under constant strain, 70°C  | 37    | %               | ISO 815       |
| Compression Set under constant strain, 100°C | 25    | %               | ISO 815       |
| Abrasion resistance                          | 20    | mm <sup>3</sup> | ISO 4649      |
| Shore Hardness A (15s)                       | 80    | -               | ISO 868       |
| Shore Hardness D (15s)                       | 31    | -               | ISO 868       |
| Tensile Strength                             | 39.9  | MPa             | ISO 37        |
| Strain at Break                              | 594   | %               | ISO 37        |

| Other Properties | Value | Unit              | Test Standard |
|------------------|-------|-------------------|---------------|
| <b>ISO Data</b>  |       |                   |               |
| Density          | 1110  | kg/m <sup>3</sup> | ISO 1183      |

| Processing Recommendation Injection Molding | Value     | Unit | Test Standard |
|---|-----------|------|---------------|
| Pre-drying - Temperature                    | ≤80       | °C   | -             |
| Melt temperature                            | 205 - 225 | °C   | -             |
| Mold temperature                            | 20 - 40   | °C   | -             |

| Processing Recommendation Extrusion | Value     | Unit | Test Standard |
|-------------------------------------|-----------|------|---------------|
| Pre-drying - Temperature            | ≤80       | °C   | -             |
| Melt temperature                    | 195 - 215 | °C   | -             |

## Characteristics

### Processing

Injection Molding, Other Extrusion, Wire/Cable Extrusion

### Chemical Resistance

Hydrolysis

### Certifications

Food approval, Food approval 1935/2004/EC, Food approval 10/2011, Food Contact (FDA)