



# 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)

## Disclaimer

### Liability Exclusion

These guide values are measured and provided by the product manufacturer and have been determined on standardised test specimens and can be affected by pigmentation, mould design and processing conditions. M-Base has taken the guide values from the producer's original Technical Data Sheet. **ALBIS AND M-BASE ARE THEREFORE NOT RESPONSIBLE FOR THE ACCURACY OF THE GUIDE VALUES AND CANNOT GIVE ANY WARRANTY WITH REGARD TO THEIR CORRECTNESS.**

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- any critical component in any medical device that supports or sustains human life.

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