Desmopan 9385A 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

Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	45	cm³/10min	ISO 1133
Temperature	190	°C	-
Load	21.6	kg	-

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Compression Set under constant strain, 23°C	25	%	ISO 815
Compression Set under constant strain, 70°C	41	%	ISO 815
Compression Set under constant strain, 100°C	30	%	ISO 815
Abrasion resistance	25	mm³	ISO 4649
Shore Hardness A (15s)	86	-	ISO 868
Shore Hardness D (15s)	35	-	ISO 868
Tensile Strength	39.1	MPa	ISO 37
Strain at Break	597	%	ISO 37

Other Properties	Value	Unit	Test Standard
ISO Data			
Density	1120	kg/m³	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 bodily implant application for greater than 30 days
- any critical component in any medical device that supports or sustains human life.

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