

Desmopan 9392A GMP TPU

Covestro Deutschland AG

- Extrusion- and injection molding grade
- very good hydrolysis and microbial resistance
- good low-temperature flexibility
- 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
- Hoses, non-reinforced
- Cable sheathings
- Profiles
- Technical parts

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Stress at 100% Elongation	11	MPa	ISO 527
Stress at 300% Elongation	30	MPa	ISO 527
Stress at Break TPE	50	MPa	ISO 527
Strain at Break TPE	>300	%	ISO 527
Compression Set under constant strain, 23°C	20	%	ISO 815
Compression Set under constant strain, 70°C	55	%	ISO 815
Compression Set under constant strain, 100°C	37	%	ISO 815
Abrasion resistance	20	mm ³	ISO 4649
Shore Hardness A (15s)	92	-	ISO 868
Shore Hardness D (15s)	42	-	ISO 868
Tensile Strength	50	MPa	ISO 37
Strain at Break	400	%	ISO 37

Other Properties	Value	Unit	Test Standard
ISO Data			
Density	1150	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	≤80	°C	-
Melt temperature	210 - 230	°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, Profile Extrusion, Other Extrusion, Wire/Cable Extrusion

Chemical Resistance

Hydrolysis

Certifications

Food approval, Food approval 1935/2004/EC, Food approval 10/2011, Food Contact (FDA), Water contact, Water contact DVGW W270

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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- risk class III applications according to EU directive 93/42/EEC
- 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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