



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