



date: 10.01.2018

**data sheet      product      TUBE TPE**

Parameter	Value	Unit	Norm
Elastomer base	TPE		
Geometry	Tube, Profile, sheet, moulded parts		
Density	0,97	g/cm <sup>3</sup>	DIN 53479
Hardness	65 +/-5	Shore A	DIN 53505
Tensile strength	> 6,5	MPa	DIN 53504
Elongation at break	> 450	%	DIN 53504
Module 100	2,3	MPa	DIN 53504
Compression set	23 at 25°C; 168 h	%	ASTM D-995 B
Compression set	36 at 100°C; 168 h	%	ASTM D-995 B
Temperature	-45 to +135	°C	
Color	light beige		

compliant: FDA §177.2600; NSF51; EU 10/2011

The raw material is UL listed under no. QMFZ2.E80017.

Excellent resistance against weathering, ozone, UV and light at high temperatures

Fatigue strength: > 9 million cycles. Tubes are recommended for applications in peristaltic pumps. Life of a tube 6,4x1,6 mm (Dext= 9.5)> 1000 hours in a peristaltischen pump at 150 U/min.

The values of these specifications come from regular controls of the compounds with the aid of norm samples and perform an average. They correspond to the actual state of the knowledge, the latest development of the sciences and our experience. They do not specify sure properties for the finals products. The indications in this data sheet are only a description of the typical properties and represent an aid and information for the user to give him some suggestions for his own application. But it remains in his responsibility to make sure with a specific trial that our product suits for his own purpose.

We strive to continuously improve our products. We reserve the right to modify and adjust the data sheet and our blends referring to the material properties. These will be documented with a new change status (date).