

Technical Data Sheet - Silicone Tubing / Hose

TDS DOKÜMANI

Silikon Hortum (Silicone Tubing / Hose): Our Silicone Tubing / Hose is a premium quality silicone elastomer designed for high purity, high temperature, and fluid transfer applications. It complies with FDA, EU 1935/2004, and WRAS standards for direct contact with food, medical grade applications, and potable drinking water. It offers excellent flexibility, weatherability, UV and ozone resistance, maintaining continuous thermal performance from -60°C to +230°C (intermittent up to +250°C). Ideal for industrial sealing, food processing, pharmaceutical, and high-temperature liquid/air transmission lines.

TEKNİK DEĞERLER TABLOSU (TECHNICAL PROPERTIES)

PROPERTIES (ÖZELLİKLER)	TEST METHOD (TEST STANDARDI)	VALUES (DEĞERLER)
Colour (Renk)	None	Transparent / Translucent / Red / Custom
Shore Hardness (Sertlik)	ASTM D2240	60 Shore A +/- 5
Highest Recommended Working Temp.	None	+230°C
Intermittent Working Temperature	None	+250°C
Lowest Recommended Working Temp.	None	-60°C
Tensile Strength (Çekme Dayanımı)	ASTM D412	8.5 MPa
Elongation at Break (Kopma Uzaması)	ASTM D412	380%
Specific Gravity (Özgül Ağırlık)	ASTM D792	1.20 g/cm³
Tear Strength (Yırtılma Direnci)	ASTM D624	18 N/mm
Compression Set (22 Hours @ 175°C)	ASTM D395	15%
Food & Medical Compliance (Gıda Uyumluluğu)	FDA / EU / WRAS	FDA 21 CFR 177.2600 / EU 1935/2004

BOYUTLAR VE İMALAT TOLERANSLARI (DIMENSIONS & TOLERANCES)

İç / Dış Çap Aralığı (Inner / Outer Diameter Range)

1 mm'den 100 mm'ye kadar farklı et kalınlıklarında ve iç/dış çap ölçülerinde özel ekstrüzyon üretimi yapılmaktadır.

Üretim Tolerans Grubu (Tolerances)

Hassas ekstrüzyon hatlarında ISO 3302-1 E2 yüksek hassasiyet tolerans standartlarına uygun olarak imal edilmektedir.

DISCLAIMER

This datasheet has been carefully compiled to advise you, our customer, in the best possible way. The information, figures, test values, and data correspond to actual engineering standards and are the result of many years of tests and trials. As individual operating conditions influence the application of each product, the information supplied in this datasheet can only be seen as a rough guideline. In every case it is the sole responsibility of the customer to evaluate his individual requirements, in particular whether the specified properties of our products are sufficient for the intended use. This datasheet is subject to alteration without prior notice.

Üretici / İthalatçı: POLO KAUÇUK SİLİKON PLASTİK SANAYİ VE TİCARET A.Ş.

KARAKÖY / BEYOĞLU / İSTANBUL