

Material Data Sheet



Food Quality Silicone

Artel Food Quality hoses are manufactured from translucent platinum cured food grade silicone rubber reinforced with multiple plies of knitted polyester fabric and helical stainless steel wire if required. Please see separate the data sheet for hose dimensions and tolerances.

Approvals:

FQ hoses are manufactured with materials that will comply with or exceed the requirements of the following regulations.

FDA Regulations CFR 177.2600
France Journal Officiel-Brochure 1227
German BGVV XVA & LIIA
Italy Gazzetta Ufficiale - 1973
USDA Standards
ISO 10993 sections 5,6,10,11.
USP XXVI class VI
European Pharmacopoeia 3.1.9

Materials Properties:

<i>Property</i>	<i>Result</i>
Hardness Shore A	60°
Specific Gravity	1.16
Tensile Strength	11 MPa
Elongation at Break	630%
Tear Strength	42 N/mm
Compression Set, 22 hours at 175°C	15%
Colour	Transparent
Rebound Resilience	54.0%
Stainless Steel Wire	316 grade
Polyester Fabric	Knitted