

Product Texts

Typical Markets/ Application Sectors:

- Medical application

Application Examples:

- Seals
- Mouthpieces
- Valves
- Soft touch
- Flexible connections
- Medical tubes

Material Advantage:

- Application up to indirect blood contact
- Tested accord. USP Class IV and ISO 10993-5
- Tested according to ISO 10993-11, ISO 10993- 10, USP 6.6.1
- Adhesion to PP und HDPE
- Adapted for injection moulding and extrusion
- Very good compression set
- sterilizable (autoclave 134°C, gammaradiation 2x35 kGy, EtO)

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Strength	10	MPa	ISO 37
Strain at break	850	%	ISO 37
Compression set at 70 °C, 24h	32	%	ISO 815
Compression set at 100 °C, 24h	46	%	ISO 815
Tear strength	14.5	kN/m	ISO 34-1
Shore A hardness	46	-	ISO 7619-1

Other properties	Value	Unit	Test Standard
Density	880	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	60 - 80	°C	-
Pre-drying - Time	2 - 4	h	-
Melt temperature	200 - 250	°C	-
Mold temperature	25 - 40	°C	-
Zone 1	180 - 200	°C	-
Zone 2	200 - 220	°C	-
Zone 3	220 - 250	°C	-
Injection pressure	20 - 100	MPa	-
Back pressure	2 - 10	MPa	-
Holding pressure	8 - 60	MPa	-
Maximum residence time	10	min	-

Characteristics

Processing

Injection Molding, Other Extrusion

Special Characteristics

Translucent, Sterilizable, Ethylene Oxide (EtO) Sterilization, Steam sterilization, Gamma irradiation sterilization

Features

Good Adhesion, Soft Feel, Weldable

Certifications

Medical Grade, Biocompatibility ISO 10993, US Pharmacopeia Class VI Approved, Drug Master File, Long term supply assurance, RoHS compliant, REACH

Applications

Medical

Regional Availability

North America, Europe, Asia Pacific

Chemical Resistance

Radiation Resistance