

**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)

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Tensile Strength	11	MPa	ISO 37
Strain at break	750	%	ISO 37
Compression set at 70 °C, 24h	33	%	ISO 815
Compression set at 100 °C, 24h	51	%	ISO 815
Tear strength	17	kN/m	ISO 34-1
Shore A hardness	56	-	ISO 7619-1

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	880	kg/m <sup>3</sup>	ISO 1183

<b>Processing Recommendation Injection Molding</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
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