

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Melt flow index, MFI	<b>4</b>	g/10min	ISO 1133
Temperature	<b>190</b>	°C	-
Load	<b>8.7</b>	kg	-
Molding shrinkage, parallel	<b>0.8</b>	%	ISO 294-4, 2577
Molding shrinkage, normal	<b>0.8</b>	%	ISO 294-4, 2577

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Flexural modulus, 23°C	<b>27.6</b>	MPa	ISO 178
Stress at 100% elongation	<b>5.34</b>	MPa	ISO 527
Stress at 300% elongation	<b>13.1</b>	MPa	ISO 527
Tensile Strength	<b>37.9</b>	MPa	ISO 37
Strain at break	<b>500</b>	%	ISO 37
Tear strength	<b>87.6</b>	kN/m	ISO 34-1
Shore A hardness	<b>85</b>	-	ISO 7619-1

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Vicat softening temperature, A	<b>91</b>	°C	ISO 306

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Density	<b>1200</b>	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	<b>82 - 99</b>	°C	-
Pre-drying - Time	<b>≥2</b>	h	-
Processing humidity	<b>≤0.03</b>	%	-
Melt temperature	<b>196 - 207</b>	°C	-
Mold temperature	<b>16 - 43</b>	°C	-
Zone 1	<b>182 - 199</b>	°C	-
Zone 2	<b>182 - 204</b>	°C	-
Zone 3	<b>182 - 210</b>	°C	-
Nozzle temperature	<b>188 - 213</b>	°C	-
Screw speed	<b>40 - 80</b>	rpm	-
Injection pressure	<b>41.4 - 103</b>	MPa	-
Back pressure	<b>≤5.5</b>	MPa	-
Holding pressure	<b>24.8 - 82.7</b>	MPa	-

<b>Processing Recommendation Extrusion</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Pre-drying - Temperature	<b>82 - 99</b>	°C	-
Pre-drying - Time	<b>≥2</b>	h	-
Processing humidity	<b>≤0.03</b>	%	-
Melt temperature	<b>191 - 204</b>	°C	-
Feed temperature	<b>182 - 199</b>	°C	-
Zone 1	<b>182 - 204</b>	°C	-
Zone 2	<b>182 - 210</b>	°C	-
Nozzle temperature	<b>188 - 210</b>	°C	-

**Characteristics**

**Processing**

Injection Molding, Pipe/Tube Extrusion, Other Extrusion, Blow Molding

**Certifications**

Food contact, Food approval FDA 21 CFR, Medical Grade, Biocompatibility ISO 10993

**Delivery form**

Natural Color

**Applications**

Medical

**Special Characteristics**

High impact or impact modified, Heat stabilized or stable to heat, Sterilizable, Ethylene Oxide (EtO) Sterilization, Gamma irradiation sterilization

**Regional Availability**

North America, South and Central America

**Chemical Resistance**

Radiation Resistance