

Product Texts

Aromatic polyether-based urethane.

Processing/Physical Characteristics

	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	14	g/10min	ASTM D 1238
Temperature	200	°C	-
Load	3.26	kg	-

Mechanical properties

	Value	Unit	Test Standard
ASTM Data			
Tensile Strength	44.8	MPa	ASTM D 638
Elongation at Break	400	%	ASTM D 638
Shore D Hardness	55	-	ASTM D 2240

Other properties

	Value	Unit	Test Standard
Water Absorption, Equilibrium	1.27	%	ASTM D 570

Processing Recommendation Injection Molding

	Value	Unit	Test Standard
Pre-drying - Temperature	71.1 - 93.3	°C	-
Pre-drying - Time	3 - 4	h	-
Processing humidity	≤0.05	%	-
Melt temperature	193 - 216	°C	-
Zone 1	171 - 193	°C	-
Zone 2	177 - 199	°C	-
Zone 3	182 - 204	°C	-
Nozzle temperature	193 - 216	°C	-

Processing Recommendation Extrusion

	Value	Unit	Test Standard
Pre-drying - Temperature	71.1 - 93.3	°C	-
Pre-drying - Time	3 - 4	h	-
Processing humidity	≤0.05	%	-
Melt temperature	193 - 216	°C	-
Zone 1	171 - 193	°C	-
Zone 2	177 - 199	°C	-
Zone 3	182 - 204	°C	-
Nozzle temperature	193 - 216	°C	-

Characteristics**Processing**

Injection Molding, Other Extrusion

Delivery form

Pellets

Special Characteristics

High impact or impact modified

Certifications

Contains renewable resources, Medical Grade, Biocompatibility ISO 10993, US Pharmacopeia Class VI Approved

Applications

Medical

Regional Availability

North America