

Product Texts

Aliphatic polycarbonate-based urethane.

Processing/Physical Characteristics

	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	14	g/10min	ASTM D 1238
Temperature	205	°C	-
Load	3.26	kg	-

Mechanical properties

	Value	Unit	Test Standard
ASTM Data			
Tensile Strength	51.7	MPa	ASTM D 638
Elongation at Break	300	%	ASTM D 638
Shore D Hardness	55	-	ASTM D 2240

Other properties

	Value	Unit	Test Standard
Density	1250	kg/m ³	ASTM D 792

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	204 - 227	°C	-
Zone 1	193 - 216	°C	-
Zone 2	193 - 216	°C	-
Zone 3	199 - 221	°C	-
Nozzle temperature	216 - 238	°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	204 - 227	°C	-
Zone 1	193 - 216	°C	-
Zone 2	193 - 216	°C	-
Zone 3	199 - 221	°C	-
Nozzle temperature	216 - 238	°C	-

Characteristics**Processing**

Injection Molding, Other Extrusion

Delivery form

Pellets

Chemical Resistance

General Chemical Resistance, Environmental Stress Crack Resistance, Solvent Resistance

Certifications

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

Applications

Medical

Regional Availability

North America