

Product Texts

Aromatic thermoplastic polyurethane elastomer.

Processing/Physical Characteristics

	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	14	g/10min	ASTM D 1238
Temperature	190	°C	-
Load	2.16	kg	-

Mechanical properties

	Value	Unit	Test Standard
ASTM Data			
Tensile Strength	5.52	MPa	ASTM D 638
Elongation at Break	1020	%	ASTM D 638
Shore A Hardness	55	-	ASTM D 2240

Other properties

	Value	Unit	Test Standard
Water Absorption, Equilibrium	0.17	%	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	166 - 188	°C	-
Zone 1	138 - 160	°C	-
Zone 2	138 - 160	°C	-
Zone 3	138 - 160	°C	-
Nozzle temperature	177 - 199	°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	166 - 188	°C	-
Zone 1	138 - 160	°C	-
Zone 2	138 - 160	°C	-
Zone 3	138 - 160	°C	-
Nozzle temperature	177 - 199	°C	-

Characteristics**Processing**

Injection Molding, Other Extrusion

Delivery form

Pellets

Features

Good Drawdown, Melt Strength

Certifications

Contains renewable resources, Medical Grade, Biocompatibility ISO 10993

Applications

Medical

Regional Availability

North America