

Versaflex™ HC MT555

TPE

Avient Corporation

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.019	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Modulus at 100% Elongation	1.74	MPa	ASTM D 412
Modulus at 300% Elongation	1.1	MPa	ASTM D 412
Shore A Hardness	54	-	ASTM D 2240
Compression Set , 22 hr @ 73 °F	20	%	ASTM D 395
Tensile Strength at Break	6.38	MPa	ASTM D 412
Elongation at Break	630	%	ASTM D 412

Other properties	Value	Unit	Test Standard
Density	890	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Melt temperature	193 - 221	°C	-
Mold temperature	15.6 - 26.7	°C	-
Zone 1	166 - 182	°C	-
Zone 2	182 - 204	°C	-
Zone 3	188 - 210	°C	-
Nozzle temperature	188 - 210	°C	-
Screw speed	80 - 120	rpm	-
Injection speed	25.4 - 127	mm/s	-
Back pressure	0 - 0.552	MPa	-
Holding pressure	0.138 - 1.1	MPa	-

Characteristics**Processing**

Injection Molding, Other Extrusion

Delivery form

Pellets

Special Characteristics

Transparent

Features

Soft Feel

Certifications

Food contact, Food approval FDA 21 CFR, US Pharmacopeia Class VI Approved

Applications

Medical

Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa