

**Versaflex™ CL2250**

TPE

Avient Corporation

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	13	g/10min	ASTM D 1238
Temperature	190	°C	-
Load	2.16	kg	-
Mold Shrinkage, MD	0.01	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Flexural Modulus	13.9	MPa	ASTM D 790
Modulus at 100% Elongation	1.52	MPa	ASTM D 412
Modulus at 300% Elongation	0.77	MPa	ASTM D 412
Shore A Hardness	50	-	ASTM D 2240
Tear Strength	24.5	kN/m	ASTM D 624
Compression Set , 22 hr @ 73 °F	20	%	ASTM D 395
Tensile Strength at Break	5.7	MPa	ASTM D 412
Elongation at Break	770	%	ASTM D 412

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

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Melt temperature	210 - 221	°C	-
Mold temperature	12.8 - 37.8	°C	-
Zone 1	171 - 188	°C	-
Zone 2	193 - 221	°C	-
Zone 3	193 - 227	°C	-
Nozzle temperature	210 - 227	°C	-
Screw speed	25 - 75	rpm	-
Injection speed	12.7 - 50.8	mm/s	-
Back pressure	0 - 0.552	MPa	-
Holding pressure	0.207 - 1.65	MPa	-

**Characteristics****Processing**

Injection Molding

**Delivery form**

Pellets

**Special Characteristics**

Heat stabilized or stable to heat, Transparent

**Features**

Good Adhesion

**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