

Versaflex™ CL2242

TPE

Avient Corporation

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	26	g/10min	ASTM D 1238
Temperature	190	°C	-
Load	2.16	kg	-
Mold Shrinkage, MD	0.009	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Flexural Modulus	7.21	MPa	ASTM D 790
Modulus at 100% Elongation	1.05	MPa	ASTM D 412
Modulus at 300% Elongation	0.68	MPa	ASTM D 412
Shore A Hardness	43	-	ASTM D 2240
Tear Strength	21.7	kN/m	ASTM D 624
Compression Set , 22 hr @ 73 °F	23	%	ASTM D 395
Tensile Strength at Break	5.04	MPa	ASTM D 412
Elongation at Break	780	%	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	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