

Versaflex™ CL40

TPE

Avient Corporation

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	38	g/10min	ASTM D 1238
Temperature	200	°C	-
Load	5	kg	-
Mold Shrinkage, MD	0.018	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Modulus at 100% Elongation	1.38	MPa	ASTM D 412
Modulus at 300% Elongation	0.76	MPa	ASTM D 412
Shore A Hardness	43	-	ASTM D 2240
Tear Strength	22.8	kN/m	ASTM D 624
Compression Set , 22 hr @ 73 °F	12	%	ASTM D 395
Tensile Strength at Break	5.62	MPa	ASTM D 412
Elongation at Break	760	%	ASTM D 412

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	1.5	mm	-

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

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Mold temperature	15.6 - 37.8	°C	-
Zone 1	166 - 188	°C	-
Zone 2	177 - 193	°C	-
Zone 3	182 - 227	°C	-
Nozzle temperature	188 - 227	°C	-
Screw speed	75 - 125	rpm	-
Injection speed	25.4 - 127	mm/s	-
Back pressure	0 - 0.862	MPa	-
Holding pressure	0.827 - 2.07	MPa	-

Characteristics**Processing**

Injection Molding

Delivery form

Pellets

Special Characteristics

Transparent

Features

Good Adhesion, Soft Feel

Certifications

Food contact

Regional Availability

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