

**Dynalloy™ OBC 8100-N75**

TPE

Avient Corporation

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Mold Shrinkage, MD	0.0095	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.0095	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Modulus at 100% Elongation	3.56	MPa	ASTM D 412
Modulus at 300% Elongation	1.42	MPa	ASTM D 412
Shore A Hardness	71	-	ASTM D 2240
Tear Strength	36.4	kN/m	ASTM D 624
Compression Set , 22 hr @ 73 °F	30	%	ASTM D 395
Tensile Strength at Break	5.63	MPa	ASTM D 412
Elongation at Break	690	%	ASTM D 412

Other properties	Value	Unit	Test Standard
Density	1020	kg/m <sup>3</sup>	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Mold temperature	15.6 - 26.7	°C	-
Zone 1	160 - 188	°C	-
Zone 2	177 - 193	°C	-
Zone 3	182 - 210	°C	-
Nozzle temperature	193 - 216	°C	-
Screw speed	25 - 100	rpm	-
Injection speed	25.4 - 76.2	mm/s	-
Back pressure	0 - 0.689	MPa	-
Holding pressure	0.362 - 1.65	MPa	-

**Characteristics****Processing**

Injection Molding

**Delivery form**

Pellets, Natural Color

**Features**

Good Adhesion, Soft Feel

**Certifications**

Food contact, Food approval BFR, Food approval FDA 21 CFR

**Regional Availability**

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