

Dynalloy™ OBC 8100-N50

TPE

Avient Corporation

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Modulus at 100% Elongation	1.48	MPa	ASTM D 412
Modulus at 300% Elongation	0.63	MPa	ASTM D 412
Shore A Hardness	48	-	ASTM D 2240
Tear Strength	17.5	kN/m	ASTM D 624
Tensile Strength at Break	3.31	MPa	ASTM D 412
Elongation at Break	990	%	ASTM D 412

Other properties	Value	Unit	Test Standard
Density	1060	kg/m ³	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