

LubriOne™ LB9800-8001 AR Black
(PEEK+PTFE)-CF

Avient Corporation

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.002	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.016	mm/mm	ASTM D 955
Mechanical properties			
ISO Data	Value	Unit	Test Standard
Tensile Modulus	12500	MPa	ISO 527
Strain at break	3	%	ISO 527
Charpy impact strength, +23°C	40	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	8	kJ/m ²	ISO 179/1eA
Shore D hardness	84	-	ISO 7619-1
ASTM Data			
Flexural Modulus	10500	MPa	ASTM D 790
Thermal properties			
ISO Data	Value	Unit	Test Standard
Coeff. of linear therm. expansion, parallel	12	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	75	E-6/K	ISO 11359-1/-2
ASTM Data			
DTUL @ 264 psi	315	°C	ASTM D 648
Electrical properties			
ASTM Data	Value	Unit	Test Standard
Surface Resistivity	1E13	Ohm	ASTM D 257
Other properties			
Value	Unit	Test Standard	
Density	1430	kg/m ³	ISO 1183
Water Absorption, 24hr	0.04	%	ASTM D 570
Water Absorption, Equilibrium	0.1	%	ASTM D 570
Processing Recommendation Injection Molding			
Value	Unit	Test Standard	
Pre-drying - Temperature	150 - 160	°C	-
Pre-drying - Time	4 - 6	h	-
Melt temperature	350 - 390	°C	-
Mold temperature	180 - 200	°C	-

Characteristics

Processing

Injection Molding

Delivery form

Pellets, Black

Additives

Lubricants

Special Characteristics

Heat stabilized or stable to heat

Features

Tribologic Grade

Applications

Automotive, IT / Business Machine

Regional Availability

North America, Europe, Asia Pacific