

Ecomass® Compound 1080ZD96

PA12-MED(x)

DOMO Engineering Plastics

Product Texts

Nontoxic alternative to Lead (Pb)

Processing/Physical Characteristics**ASTM Data**

	Value	Unit	Test Standard
Mold Shrinkage, MD	0.005	mm/mm	ASTM D 955

Mechanical properties**ASTM Data**

	Value	Unit	Test Standard
Tensile Modulus	6447	MPa	ASTM D 638
Tensile Strength	34.8	MPa	ASTM D 638
Elongation at Break	3.4	%	ASTM D 638
Flexural Modulus	4861	MPa	ASTM D 790
Flexural Strength	49	MPa	ASTM D 790
Izod Impact notched, 1/8 in	144	J/m	ASTM D 256

Thermal properties**ASTM Data**

	Value	Unit	Test Standard
DTUL @ 66 psi	121	°C	ASTM D 648
DTUL @ 264 psi	107	°C	ASTM D 648

Electrical properties**ASTM Data**

	Value	Unit	Test Standard
Surface Resistivity	0.21	Ohm	ASTM D 257

Other properties

	Value	Unit	Test Standard
Density	10000	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding

	Value	Unit	Test Standard
Pre-drying - Temperature	73.9	°C	-
Pre-drying - Time	4	h	-
Melt temperature	204 - 254	°C	-
Mold temperature	57.2 - 82.2	°C	-

Characteristics**Processing**

Injection Molding

Delivery form

Pellets

Features

EMI Attenuation/Shielding, Low Odor, Copolymer

Chemical Resistance

Radiation Resistance

Regional Availability

North America