

Ecomass® Compound 1080ZG90

PA12-MED(x)

DOMO Engineering Plastics

Product Texts

Nontoxic alternative to Lead (Pb)

Processing/Physical Characteristics

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

Mechanical properties

	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	6447	MPa	ASTM D 638
Tensile Strength	41.4	MPa	ASTM D 638
Elongation at Break	3.5	%	ASTM D 638
Flexural Modulus	4964	MPa	ASTM D 790
Flexural Strength	49.6	MPa	ASTM D 790
Izod Impact notched, 1/8 in	160	J/m	ASTM D 256

Thermal properties

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

Electrical properties

	Value	Unit	Test Standard
ASTM Data			
Surface Resistivity	0.21	Ohm	ASTM D 257

Other properties

	Value	Unit	Test Standard
Density	5500	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