

**Ecomass® Compound 1080TU96**

PA12-MED(x)

DOMO Engineering Plastics

**Product Texts**

Nontoxic alternative to Lead (Pb)

**Processing/Physical Characteristics**

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

**Mechanical properties**

	Value	Unit	Test Standard
<b>ASTM Data</b>			
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	4895	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**

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

**Electrical properties**

	Value	Unit	Test Standard
<b>ASTM Data</b>			
Surface Resistivity	0.21	Ohm	ASTM D 257

**Other properties**

	Value	Unit	Test Standard
Density	11000	kg/m <sup>3</sup>	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