

Ecomass® Compound 1050C093

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	9653	MPa	ASTM D 638
Tensile Strength	44.8	MPa	ASTM D 638
Elongation at Break	1.5	%	ASTM D 638
Flexural Modulus	8618	MPa	ASTM D 790
Flexural Strength	65.5	MPa	ASTM D 790
Izod Impact notched, 1/8 in	72.1	J/m	ASTM D 256

Thermal properties

	Value	Unit	Test Standard
ASTM Data			
DTUL @ 66 psi	159	°C	ASTM D 648
DTUL @ 264 psi	155	°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	5700	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

Features

EMI Attenuation/Shielding, Copolymer

Delivery form

Pellets

Regional Availability

North America