



# Meldin® 7001 and 7021

## Typical Properties for Isostatically Molded Material

Property	Temperature °F (°C)	ASTM Method	Units	Meldin® 7001	Meldin® 7021
<b>Mechanical</b>					
Tensile Strength	75 (24)	D-638	psi (MPa)	12,500 (86)	10,100 (70)
Tensile Elongation	75 (24)	D-638	%	9.3	5.6
Tensile Strength	500 (260)	D-638	psi (MPa)	5,400 (37)	5,500 (38)
Tensile Elongation	500 (260)	D-638	%	4.5	4.3
Flexural Strength	75 (24)	D-790	psi (MPa)	15,200 (105)	15,600 (108)
Flexural Modulus	75 (24)	D-790	psi (MPa)	460,000 (3172)	570,000 (3930)
Compressive Strength	75 (24)	D-695	psi (MPa)	25,200 (174)	25,300 (174)
Compressive Stress @ 1% Strain	75 (24)	D-695	psi (MPa)	1,500 (10)	1,600 (10)
Compressive Stress @ 10% Strain	75 (24)	D-695	psi (MPa)	17,200 (119)	17,100 (118)
Compressive Modulus	75 (24)	D-695	psi (MPa)	290,000 (2000)	326,000 (2248)
<b>Thermal</b>					
Coefficient of Thermal Expansion	75-500 (24-260)	E-831	in/in/°F x 10e-5 (m/m/°C x 10e-5)	2.7 (5)	4.5 (8)
<b>Electric</b>					
Dielectric Strength	75 (24)	D-149	volts/mil (MV/m)	450 (18)	104 (4)
<b>Miscellaneous</b>					
Specific Gravity	75 (24)	D-792	-	1.43	1.51
Hardness	75 (24)	D-785	Rockwell E	64	50
Water Absorption, 24 hours	75 (24)	D-570	%	0.23	0.2



Meldin® 7001



Meldin® 7021

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