



REFLECTIVE ALUMINUM ENCODER DISCS

Material-	1100 Aluminum Alloy
Maximum Size-	250mm Diameter
Concentricity of pattern to ID	<20um
Thickness-	.5mm (+/-0.03mm)
Specular Reflectivity-	> 85% @750nm
Maximum operating temperature-	500 C
Low Temperature Resistance-	-45 C
Thermal Expansion-	(10 -6/C) 23.6
Thermal Shock-	No deterioration after 3 cycles between -65 C and 125 C
Moisture resistance-	No deterioration after 10 cycles MIL-STD-202
Tensile Strength-	110
Specific Gravity-	2071

MEETS THE FOLLOWING SPECIFICATIONS

**Mil-Std-130M
Mil-A-8625F
Mil-DTL-15024
Mil-STD-13231**

**BF Goodrich Aerospace Spec SMT0022
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