

# Insulation Materials

## Product Information Sheet

### Product

## ACETAL 2I800

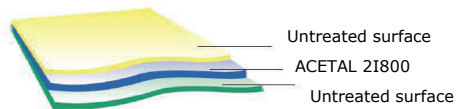
### Product Description

ACETAL 2I800 - A popular plastic used in the engineering industry for its unique features and characteristics. Easily machined using today's modern machining processes to leave a smooth high quality surface finish.

### Key Features

- Excellent creep resistance and dimensional stability
- Low coefficient of friction
- Excellent dielectric properties

### Structure of ACETAL 2I800



Property	Test Method	Unit	Value
Density	ASTM D792	g/cm <sup>3</sup>	1.41
Tensile Strength at yield	ASTM D638	MPa	60
Modulus of elasticity In tension	ASTM D638	MPa	2700
Maximum service temperature	-	°C	140
Crystalline Melting point	DIN 53 736	°C	165
Dielectric loss factor	DIN 53 483	at 10 <sup>5</sup> Hz	0.003
Surface resistance	DIN 60093	Ohms	>10 <sup>14</sup>
Water absorption At saturation at 23°C	62	%	0.5

### Applications

ACETAL 2I800 used extensively in the food, automotive and medical industries. Bearings machined to tight tolerances, electrical insulators, snap fit assemblies.

*The information above is given in good faith and should be considered as a guide not a specification.*



BS EN 14644 : 1999  
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