



Acetal

Acetal (polyoxymethylene) is a high strength, low friction engineering plastic that has excellent wear properties in both wet and dry environments. Easy to machine, acetal makes an outstanding choice for applications that require complex, tight tolerances.

Performance characteristics:

- Strong and stiff
- Excellent machinability
- Low moisture absorption
- Excellent wear properties in both wet and dry environments
- Low friction
- Good chemical resistance

TECHNICAL DATA SHEET | (EFFECTIVE 24FEB25)

Acetal				
PHYSICAL PROPERTY	TEST METHOD	UNIT	HOMOPOLYMER ACETAL	COPOLYMER ACETAL
Tensile Strength	D638	psi	10,000	9,800
Flexural Modulus	D790	psi	420,000	370,000
Izod Impact (notched)	D256	ft-lbs/in	1.5	1.0
Heat Deflection Temperature @ 264 psi	D648	°F	257	230
Maximum Continuous Service Temperature in air	-	°F	185	195
Water Absorption (immersion 24 hours)	D570	%	0.25	0.20
Coefficient of Linear Thermal Expansion	D696	in/in/°Fx10 ⁻⁵	6.8	6.1
Coefficient of friction (dynamic)	-	-	0.20	0.21