



ENGINEERED  
SHAFT SEALS

An Employee Owned Company

## A REVOLUTIONARY BEARING GRADE P.E.E.K. COMPOUND

MECO 4000 is a bearing-grade Polyetheretherketone, filled with carbon, graphite, and PTFE to add structural and lubricant properties.

MECO 4000 exhibits broad chemical compatibility and resistance to abrasive slurries at high operating temperatures.

### TYPICAL PHYSICAL PROPERTIES

PROPERTY	UNITS	ASTM METHOD	MECO 4000
Specific Gravity	-	D-792	1.48
Water Absorption 24hrs (73°F)	%	D-570	0.06
Tensile Strength	PSI Yield	D-638	17,000
Tensile Elongation	%	D-638	3
Flexural Strength	PSI	D-790	30,500
Flexural Modulus	PSI	D-790	450,000
Compressive Strength	PSI	D-695	21,000
Izod Impact Strength (Notched)	Ft. Lbs./In.	D-256	2.0
Heat Distortion Temp. @ 264 PSI	°F	D-648	530
Coefficient of Thermal Expansion	10 <sup>-5</sup> /°F	D-696	1.8
Rockwell Hardness	-	D-785	M103
Maximum Continuous Service Temperature	°F	-	480



## MECO ENGINEERED SHAFT SEALS



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