



WOODEX[®]

BEARING COMPANY, INC.

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Typical Physical Properties for **MECO 4000-series** **Bearing-Grade P.E.E.K. compounds**

<i>Typical Physical Properties</i>	Property	Units	ASTM Test Method	MECO 4000
	Specific Gravity	-	D-792	1.48
	Water Absorption 24 hrs (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 ⁻⁵ /°F	D-696	1.8
	Rockwell Hardness	-	D-785	M103
	Maximum Continuous Service Temperature	°F	-	480

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

MECO 4001 is a near-white bearing-grade Polyetheretherketone, filled with TiO₂ and PTFE for structural and lubricant properties.

Both materials exhibit broad chemical compatibility and resistance to abrasive slurries at high operating temperatures.