Material Recommendation Form

Project Title:_____

End-User:_____

Application:_____

Submitted By:_____

Date:_____ Request Completion_____

Physical Requirements:

Material designation (if known):_____

_____

Part Function:_____

_____

Critical Tolerances:_____

_____

Is the part subjected to abuse?_____

_____

Assembly Requirements:_____

_____

Agency Approvals:_____

_____

Appearance & Color:_____

_____

Environmental Requirements:

Chemicals (Concentration, Time, Stress during exposure, Cycle):

_____

_____

Temperature: Max + Duration_____

Min + Duration_____

Operating + Duration_____

Other (UV, Water immersion, flammability, etc):_____

_____

Moisture/Thermal Growth Concerns:_____

_____

HDT:_____

Long Term Service Temp:_____

CLTE:_____

Market: Auto____ BM____ Elec.____ Appl.____ Indust.____

Cons____

Product Emphasis: [T/C, S/K, V/T, L/C, T/T, C/C]

Pricing Issues:_____

Volume:_____

Mechanical Requirements:

Load vs. Time:_____

Intermittent_____ Static_____ Cyclic_____ Impact_____

Load values:_____

Deflection Tolerance:_____

Tensile Strength:_____

Flexural Strength:_____

Compressive Strength:_____

Flexural Modulus:_____

Impact @ Room Temp:_____

High Temp:_____

Low Temp:_____

Other:_____

_____

Electrical Requirements:

Resistivity:_____

Shielding (bd/frequency):_____

Static Decay:_____

Wear Requirements:

Life Cycles:_____ Interval:_____

Loads:_____

Working PV:_____

Counterface/Mat'l Finish:_____

_____

Types of Motion:

Rotary_____ Linear_____ Recipr._____ Oscill._____

Additional GEAR Information:_____

Comments/ Recommendations: _____

_____

_____

_____