



## Bearing Material Selector Guide

WS Hampshire has assembled a complete selection and availability guide for our industry. The broad product offering presented reinforces our commitment to supplying the most complete plastic bearing line in the country. At any time, please feel free to contact WS Hampshire for assistance in selecting precision plastic bearings. Always specify the WS Hampshire trade names included in this bearing selector. This is your assurance of the high quality, service and support you can expect from WS Hampshire.

GRADE	DESCRIPTION
ACETAL	Low moisture absorbing, dimensionally stable general purpose bearing material.
ALPHAMIDE PAI T-200	High speed, high temperature use engineered bearing material. Internally lubricated
ENSITAL HPV-13	acetal homopolymer-TFE alloy used in low coefficient of friction applications. Delrin AF Blend equivalent.
ENSITEP PET	Outstanding dimensional stability! Widely used for small, intricate, high precision bearings.
RYERTEX G-10	Outstanding mechanical properties from medium weave fabric base and epoxy resin. Inpressive 55,000 psi strength and 65,000 psi compressive strength. Low water absorption. Insulation temperatures up to 325 deg F.
HYDLAR Z	Nylon/Kevlar composite bearing offers non-galling, superior wear properties.
HYDEX 4101	Dimensionally stable PBT. Extremely low moisture absorption. No centerline porosity.
NYLOIL	Permanently lubricated, high PV value Nylon. Eliminates need for periodic lubrication. Used widely in plant maintenance.
NYLON CAST 6M	Moly filled Nylon alloy widely used in conveyors and packaging machinery.
ORKOT	Outstanding high temp (400 deg F) and high pressure (50 kpsi) thermoset composite material. 3 grades available. Widely used in marine applications.
POLYURETHANE	Durable, chemical and impact resistant urethane bearing, roller and wheel material. Excellent low temperature impact properties.
RYERTEX (Phenolic)	Industry's first thermoset composite bearing widely used for its ability to maintain high shock loads. Eight standard phenolic grades plus custom formulations. Used with oil, grease or water lubrication.
RYTON VR-1048	High Temperature, PPS bearing grade widely used in chemical process equipment.
PTFE	Virtually inert material used in high temperature-low friction requirements. Application specific grades available.
TORLON	Super strength, high temperature polyamide-imide. Performs in demanding power transmission applications.
ULTEM	Flame resistant, high strength bearing performs well in aggressive or critical environments.
UHMW PE	Economical, widely used sliding abrasion and wear material in low pressure applications. Zero water absorption.
VEKTON 6XAU	Higher heat resistance, UV resistant Nylon material.
VESPEL	High temperature, high strength, self lubricating polymide thermoplastic bearing material available in 5 grades.