



ALLPLASTICS
ENGINEERING PTY LTD

TIVAR® 1000 - Tough Inert Very Abrasion Resistant

TIVAR® 1000 is an engineered PE-UHMW with a molecular weight of approximately 5 to 10.5 million g/mol. TIVAR® 1000 is available as a compression moulded or ram-extruded semi-finished shape in various colours. Fabricated parts and components can be machined out of semi-finished shapes. TIVAR® 1000 complies with DIN 16972 [PE-UHMW, TG1 and TG2] and also meets FDA and USDA guidelines and 3-A Dairy approval.

TIVAR® 1000 sets the standard for engineered polymers with a unique combination of wear and corrosion resistance, low friction surface and impact strength.

TIVAR® 1000 is resistant to chemical attack and moisture absorption, and retains key physical properties to -30°C.

TIVAR® has the highest impact resistance of any polymer and its coefficient of friction is surpassed only by that of Teflon®.

An excellent general-purpose material, TIVAR® 1000 (natural) is a cost-effective solution for food handling problems, and meets FDA, USDA and 3-A Dairy guidelines for food processing and handling. Whether your business is grain, pharmaceuticals, pizza dough or frozen poultry, TIVAR® 1000 material will reliably move your materials and products. The non-porous quality of TIVAR® 1000 inhibits the growth of fungus and bacteria.

TIVAR® is also widely used in the textile, chemical processing, pulp and paper, mining, marine, steel, water and sewage treatment, bulk materials handling and agricultural industries.

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