



TECHNICAL DATA SHEET

Compound :

TPU

Thermoplastic polyurethane

ORIGINAL PROPERTIES : Analysis on supplier laboratory compound

General Description

Thermoplastic polyurethane (TPU) - It's a thermoplastic material used in the manufacture of flexible foam seating, of high elasticity, rigid foam insulation panels, microcellular foam seals and gaskets, wheels filled elastomer bushings for the automotive industry, compounds for electronics, high-performance adhesives, sealants and surface coatings, synthetic fibers, the lower layers of carpets and hard plastic parts.

Available

All kind of hardness.

Physical-mechanical characteristics

*High flexibility even at low temperatures
Good abrasion resistance
Good resistance to oils and fats
Odorless (no migration of plasticizers)
Not resistant to hydrolysis with hot water (and steam)
Not resistant to chlorine and many organic solvents
Relatively expensive material*