



# 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*