

POLYURETHANE

PRODUCTS



Hi-TECH SYSTEMS Polymer Division is formed in 2006 to make a complete solution for all polymer products application. Our core business activities includes manufacturing and Trading of Rubber and Polyurethane Products to Oil, Gas & Mining Industries.



When we believe innovation is the key component to remain as the market leader, we cannot refrain from introducing wide range and variety of Molded Rubber products and the moulds for manufacturing those components.



Polyurethane (PU) possesses excellent mechanical properties. Polyurethane is the only material which can be available in the wide hardness scale. By the selection of type of monomers, Polyurethane properties can be varied for desired application.



PU to make various industrial components

- PU Wheels
- PU Metal Bonded Strips
- PU Recoating on Metal components
- PU Sleeves / Tubes
- PU Sheets
- PU Rollers

Characteristic properties of PU are:

- Wide range of Hardness
- High load bearing capacity in both tension and compression
- Very good flexural properties
- Excellent abrasion and Impact resistance
- Outstanding Tear properties
- Good Electrical Insulation properties



PU Wheels are a unique product that offers the elasticity of rubber wheels combined with the toughness and durability of metal wheels. This makes polyurethane the perfect tread for transportation wheels, traction wheels and guiding rollers and machines.



PU Sleeves / Tubes can be used as tubular springs in environments where corrosion, vibrations and magnetism prevent the use of conventional steel. Uses include punching, stamping and drawing dies, where the resilience of the urethane has distinct advantages over alternative materials as a spring with PU's elastomeric memory.



PU Rods are used to make bushes in engineering industries as well as strippers in the tool and die and metal stamping industries. Also one can cut washers, seals and insulators, wheels and rollers of various sizes.



PU Recoating on metal parts : Polyurethane coating are perfect for Metal surfaces. Due to its versatile nature, PU Metal coatings can be applied effortlessly and offers the same durability, UV resistance, high pressure wash-downs, etc.



PU Sheets are widely used in various industries for material handling, considering their non-marking and excellent abrasion resistance. Also they can be used as liners in various applications. Various Thickness and colors are available.



PU Rollers are available in different size and capacity and used widely for toughness, durability & high load bearing capability. No run out on finished diameter with reference to bearing size. The main advantages is Long life and maximum colour registration.



PU Metal Strips: PU coatings offer many advantages for metal substrate applications. PU are the market leader for coating metallic substrates in numerous high-end and highly visible applications today. In the future, the performance of urethane coatings will allow them to be used in a broader spectrum of applications.



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