

## Technical Data Sheet ---M370

Polyether-----based TPU (Thermoplastic Polyurethane)

### 1.Features:

Excellent Hydrolytic, Low Temperature Flexibility, Antimicrobial Property, Excellent Transparency, Aging Resistance, Weathering Resistance.

### 2.Applications

Animal Ear Tag, Sports Equipment, Fire Hose, Tubes, Flexitank, Wire&Cable, Fabric Coating, Film&Sheet, etc

### 3.Properties

| Properties                   | Standard   | Unit    | Value |
|------------------------------|------------|---------|-------|
| <b>Physical Properties</b>   |            |         |       |
| Density                      | ASTM D792  | g/cm    | 1.10  |
| Hardness                     | ASTM D2240 | Shore A | 70    |
|                              | ASTM D2240 | Shore D | /     |
| <b>Mechanical Properties</b> |            |         |       |
| 100% Modulus                 | ASTM D412  | Mpa     | 3.5   |
| 300% Modulus                 | ASTM D412  | Mpa     | 6     |
| Tensile Strength             | ASTM D412  | Mpa     | 23    |
| Tear Strength                | ASTM D624  | KN/m    | 65    |
| Elongation at Break          | ASTM D412  | %       | 700   |
| <b>Tg</b>                    | DSC        | °C      | -45   |

Note: The above values are shown as typical values should not be used as specifications.

**4.Package:** 25kg/bag.

### 5.Processing Guide

For optimum results, previous drying of the product during 3-4hours at 100-110°C is available, in a hot air circulatory, vacuum or desiccant-air dryer.

### 6.Environmental & Healthy & Safety

Take MSDS for reference.