

TU -P Polyglide plastic bearings



STRUCTURE

Polyglide TU-P is a glass reinforced, heat stabilized resin based polymer bearing. It is designed for highly reduced friction in applications requiring low wear and/ or low friction against itself, steel, or other plastics.

PROPERTIES

CHARACTERISTIC

- Self-lubricating
- Corrosion resistance
- Best material to use with soft shaft materials
- Low moisture absorption
- Vibration dampening
- Low coefficients of friction
- Maintenance free
- Low weight
- High wear resistance
- Very good price performance ratio

APPLICATION

- General machinery
- Aviation
- Agriculture
- Automotive
- Construction machinery
- Machine tools
- Fitness and sports

Property	Test Method	Units	Value DAM
Mechanical			
Stress at Break	ISO 527	MPa (kpsi)	185 (26.8)
Strain at Break	ISO 527	%	2.8
Tensile Modulus	ISO 527	MPa (kpsi)	10300 (1500)
Flexural Modulus	ISO 178	MPa (kpsi)	9200 (1330)
Flexural Strength	ISO 178	MPa (kpsi)	270 (39.2)
Notched Charpy Impact Strength	ISO 179/1eA	kJ/m ²	13
Unnotched Charpy Impact Strength	ISO 179/1eU	kJ/m ²	80
Thermal			
Deflection Temperature	ISO 75-1/-2	°C (°F)	
1.80MPa			250 (482)
Melting Temperature	ISO 11357-1/-3	°C (°F)	
10°C/min			263 (505)
Other			
Density	ISO 1183	kg/m ³ (g/cm ³)	1500 (1.50)