TU -G Polyglide plastic bearings

STRUCTURE

Polyglide TU-G is a glass fiber reinforced, heat stabilized, lubricated polymer based bearing. It is well suited for low wear, low friction & high shock and impact application.

CHARACTERISTIC

- Self-lubricating
- Corrosion resistance
- Good media resistance
- High compressive strength
- Vibration dampening
- Low coefficients of friction
- Maintenance free
- Low weight
- High wear resistance
- Cost effective

APPLICATION

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

PROPERTIES

Property	Test Methods	Units	Value	
			DAM	50%RH
Mechanical				
Stress at Break	ISO 527	MPa (kpsi)	190 (27.5)	135 (19.6)
Strain at Break	ISO 527	%	2.5	4
Tensile Modulus	ISO 527	MPa (kpsi)	12500 (1810)	8500 (1230)
Notched Charpy Impact Strength	ISO 179/1eA	kJ/m2	12	16
Unnotched Charpy Impact Strength ISO 179/1eU kJ/m2 80 90	ISO 179/1e	kJ/m2	80	90
Thermal				
Deflection Temperature	ISO 75-1/-2	°C (°F)		
0.45M Pa			256 (493)	
1.80M Pa			248 (478)	
MeltingTemperature	ISO 11357-1/-3	°C (°F)		
10°C/min			256 (493)	
Other				
Density	ISO 1183	kg/m3	1450 (1.45)	

Info@awwatechnologies.in