POLY-TUNGSTEN

Replace Lead and sintered Tungsten alloys with high density polymers

Environmentally Safe
Non-Toxic

» Available with various fillers to achieve the desired specific density up to 14 «

Typical Properties		TPT N13	TPT N12	TPT N10
Density	(g/cc)	13	12	10
Flexural Strength	(Mpa)	119	131	136
Flexural Modulus	(Gpa)	18.9	18.5	11.1
Izod Impact Strength	(J/m)	84	78	70
Heat Distortion Temp.	(°C)	161	162	157
Mold Shrinkage	(%)	0.4	0.4	0.9
Composition		Nylon 6/Tungsten		

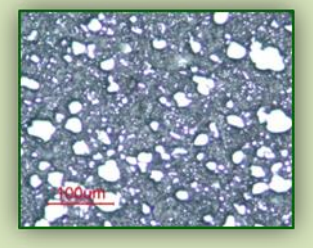
* *Solid parts by injection molding to net shape*

Typical Properties	TPT-R10	TPT-R9	TPT-R6	TPT-R4
Density (g/cc)	10	9	6	4
Composition	Elastomer - TEO/Tungsten			

* *Flat sheet or roll*

Flexible

Microstructure



Rigid

Applications

- Balances
- Small fly wheels
- Pendulums
- Vibration motors
- Acoustical damping
- X-ray tube
- Nuclear medicine (syringe)
- Medical imaging
- Temporary nuclear
- Shielding
- Sporting goods as golf clubs
- Fishing gears (sinkers, lures)
- Non-toxic shots
- Hunting shots
- Ballast systems (Aircrafts)
- Counter balance

By TPT Tungsten Powder Technology & ShaarGiora LTD Advanced Plastic Solutions