

泓格生醫
ICP DAS - BMP



13485:2016

Medical Guidewire Application

Thermoplastic Polyurethane (TPU)

ARP-W-G Series

- ✓ Exceptional Radiopacity
- ✓ Typical for Guidewire Coating
- ✓ ISO 10993 Certificates
- ✓ Loaded with 30-60% Tungsten

Small Pellet Size

High Fluidity

Pellet Size
diameter \div 3mm
Easy to process

Good Dispersion

Medical grade TPU Supplier



10993-4



10993-5



10993-10



10993-11



10993-23

Storage



Arothane™ ARP-W-G TPU pellets should be stored in cool and dry environment in their original containers until used.



If only a portion of TPU pellets was used, the container with the remaining TPU pellets should be tightly closed.



Storage temperature should not exceed 85°F/30°C.

Products and Properties

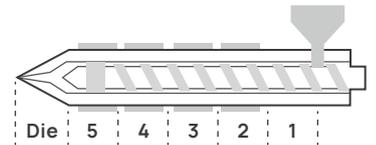
Arothane™ ARP-W-G	ASTM Test	ARP-85A-W40-G	ARP-85A-W50-G	ARP-85A-W60-G
Durometer (Shore hardness)	D2240	85A	85A	85A
Specific Gravity	D792	1.71	1.98	2.4

Note : The test results provided are derived from small samples of Arothane™ ARP-W-G and may not accurately reflect the outcomes obtained from larger test samples. It is advisable to adjust manufacturing parameters based on users' specific conditions.

Processing Information

Arothane™ ARP-W-G TPU pellets are hygroscopic and therefore require drying before processing. Depending on the climate, these pellets absorb moisture quickly when exposed to the atmosphere. Moisture absorption may lead to polymer degradation during processing and result in bubbles or streaks in molded and extruded parts. To ensure efficient processing, the recommended moisture content in TPU pellets is less than 0.05%. A dehumidifying dryer is advised for drying Arothane™ ARP-W-G TPU, with a recommended drying temperature of 205-220°F (95-105°C) for a minimum of 5 hours at a -40°F (-40°C) dew point.

Recommended Extrusion Temperature Profile



Arothane™ ARP-W-G	ARP-85A-W40-G (°F / °C)	ARP-85A-W50-G (°F / °C)	ARP-85A-W60-G (°F / °C)
Zone 1	340/170	340/170	340/170
Zone 2	350/175	350/175	350/175
Zone 3	350/175	350/175	350/175
Zone 4	355/180	355/180	355/180
Adapter 5	355/180	355/180	355/180
Die	350-365/175-185	350-365/175-185	350-365/175-185