REZALLOY Rx®

Medical TPU Alloys

Exclusively available by Compounding Solutions, ReZalloy ® Rx 1100 is a series of TPU alloys for medical applications. Superior softness and flexibility makes ReZalloy ® Rx 1100 suited for distal catheter tips, tubing, and noncompliant balloons.

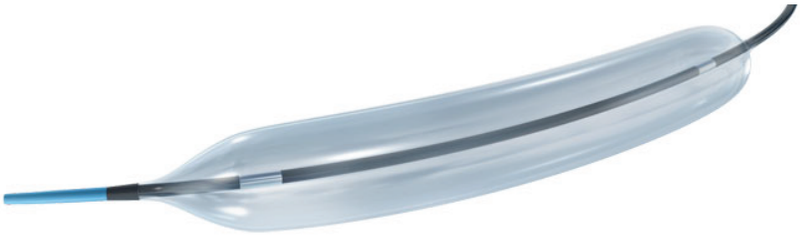
These blends also offer exceptional softness and translucency with excellent elasticity, abrasion, and tear resistance. They were created to harness the benefits of TPU, while improving less desirable characteristics like low melt strength and high tackiness. As with all materials offered by Compounding Solutions, ReZalloy ® Rx 1100 can be customized and optimized to meet your exact performance requirements. Available in hardness ranges from shore 35A – 80A.

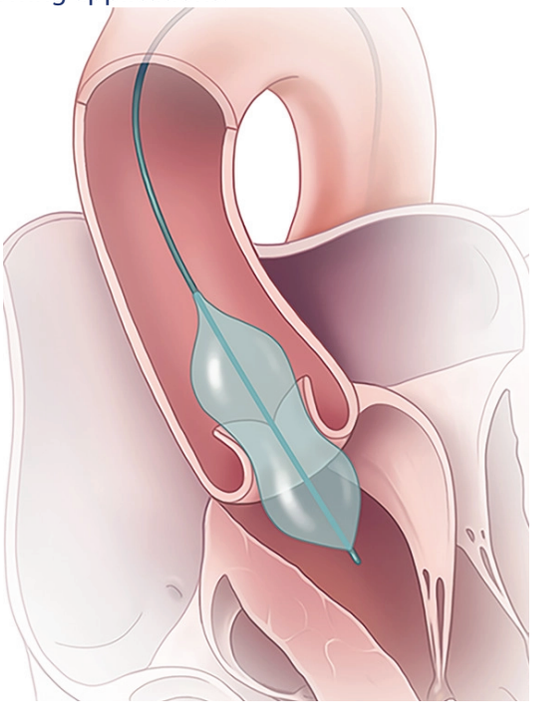
Bondable to TPU, Polyester, PEBA, PC, ABS, SBC, and PET
High Melt Strength
Superior Flexibility
Biocompatible
Low Tackiness

Applications

ReZalloy ® Rx 1100 is extremely soft and flexible, making it ideal for the following applications:

- Neurovascular Catheters
- Semi-Compliant Balloons
- Cardiovascular Catheters
- Non-Compliant Balloons
- Negative Pressure Wound Therapy
- Specialty Medical Film
- Distal Tips
- Overmolded Grips
- Wound Care





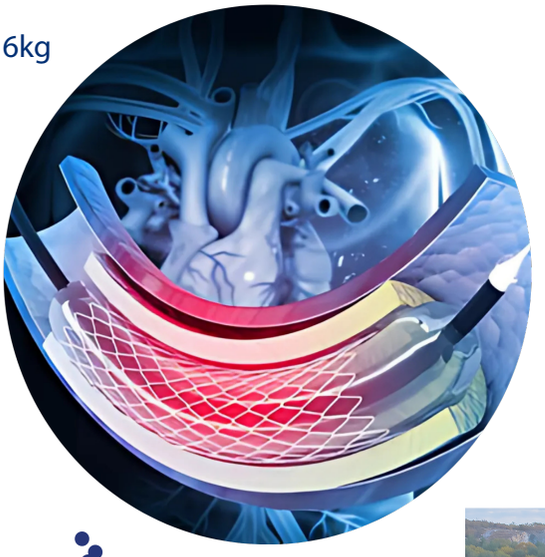
ReZalloy ® Rx 1100 Series

ReZalloy ® Rx fills the gap in the medical polymer market for a low modulus TPU alloy that can adhere to styrene-block copolymers and polar materials. Unlike traditional TPEs, ReZalloy ® Rx 1100 has excellent adhesion, making it the ideal flexible material designed for extrusion.

ReZalloy ® Rx Material Properties

Property	1135	1140-LV	1140	1150	1160
Durometer (ASTM D2240)	35A	40A	40A	50A	60A
Tensile Strength at 50% Elongation (ASTM D412)	75 psi	115 psi	100 psi	170 psi	245 psi
Ultimate Tensile Strength (ASTM D412)	195 psi	1180 psi	470 psi	990 psi	1850 psi
Ultimate Elongation (ASTM D412)	420%	900%	610%	660%	740%
Melt Flow - 190°C, 8.7kg (ASTM D1238)	8 g/10min	*38 g/10 min	25 g/10min	23 g/10min	15 g/10min

Note: *Melt flow test conditions 190°C. 2.16kg



When used for neurovascular tubing, the extreme flexibility and reliable strength of ReZalloy ® RX allows confident navigation through tortuous anatomy.

Compounding Solutions®

Compounding Solutions® Europe

Compounding Solutions is a global leader in custom engineered thermoplastic compounds, color concentrates and additive masterbatches for medical applications. We produce compounds of the highest quality and consistency in our controlled production area and offer complimentary technical expertise, full regulatory support, and MOQs of just 1kg in an optimized process built for speed.

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