

ASTC-50 Durometer clear silicone tubing

ASTC is a platinum-cured clear silicone tubing produced in a clean-room environment for the biopharmaceutical industry. The production process is controlled by an ISO compliant quality system. Each production batch is assigned a unique lot number for full lot traceability from raw material to finished good.



- Meets or exceeds USDA and FDA 21 CFR 177.2600 regulation for contact with drugs and food (3A Sanitary Standards)
- Meets or exceeds USP Class VI (121° C, 60 min), European Pharmacopeia 3.1.9 (current version) and ISO 10993 (3, 5, 6, 10, 11)
- Complete lot traceability of materials
- Has been manufactured with only platinum cured silicone materials
- Animal Derived Component Free (ADCF)
- Hardness value of 50 durometer Shore A
- Temperature Range: -80° F to 450° F
- Can be sterilized by autoclave or gamma irradiation (≤ 50 kGy)
- For peristaltic pump applications, please refer to ASTP Technical Data Catalog
- Available with validated Sterility Assurance Level of 10^{-6} by gamma irradiation per ISO 11137 Method VDmax 25
- Certificate of Conformance provided with each lot
- Available in 25 ft (T), 50 ft (F) and 100 ft (H) lengths
- Custom sizes, lengths and packaging available upon request
- Complete validation package available upon request
- Molding capabilities available for custom applications
- Manufactured in an ISO 7 certified clean room (class 10,000)

Engineered
Molding
Technology

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ASTC-50 Product specifications



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Part #	Inner diameter	Outer diameter	Wall thickness	Working Pressure
ASTC062-2A50	0.062 in	0.187 in	0.062 in	34 psi
ASTC093-2A50	0.093 in	0.218 in	0.062 in	23 psi
ASTC093-3A50	0.093 in	0.281 in	0.093 in	35 psi
ASTC093-4A50	0.093 in	0.343 in	0.125 in	42 psi
ASTC125-2A50	0.125 in	0.250 in	0.062 in	17 psi
ASTC125-3A50	0.125 in	0.312 in	0.093 in	21 psi
ASTC125-4A50	0.125 in	0.375 in	0.125 in	35 psi
ASTC156-2A50	0.156 in	0.281 in	0.062 in	20 psi
ASTC187-2A50	0.187 in	0.312 in	0.093 in	14 psi
ASTC187-3A50	0.187 in	0.375 in	0.125 in	19 psi
ASTC250-1A50	0.250 in	0.312 in	0.062 in	8 psi
ASTC250-2A50	0.250 in	0.375 in	0.062 in	12 psi
ASTC250-3A50	0.250 in	0.437 in	0.093 in	17 psi
ASTC250-4A50	0.250 in	0.500 in	0.031 in	21 psi
ASTC312-2A50	0.312 in	0.437 in	0.062 in	10 psi
ASTC312-3A50	0.312 in	0.500 in	0.093 in	18 psi
ASTC312-4A50	0.312 in	0.562 in	0.093 in	19 psi
ASTC375-2A50	0.375 in	0.500 in	0.125 in	12 psi
ASTC375-3A50	0.375 in	0.562 in	0.062 in	14 psi
ASTC375-4A50	0.375 in	0.625 in	0.093 in	14 psi
ASTC375-5A50	0.375 in	0.750 in	0.125 in	20 psi
ASTC500-2A50	0.500 in	0.625 in	0.062 in	8 psi
ASTC500-3A50	0.500 in	0.687 in	0.093 in	10 psi
ASTC500-4A50	0.500 in	0.750 in	0.125 in	11 psi
ASTC500-5A50	0.500 in	0.875 in	0.187 in	15 psi
ASTC750-2A50	0.750 in	0.875 in	0.062 in	6 psi
ASTC750-3A50	0.750 in	0.937 in	0.093 in	8 psi
ASTC750-4A50	0.750 in	1.000 in	0.125 in	12 psi
ASTC750-5A50	0.750 in	1.125 in	0.187 in	12 psi
ASTC875-2A50	0.875 in	1.000 in	0.062 in	8 psi
ASTC875-4A50	0.875 in	1.125 in	0.125 in	8 psi
ASTC1000-4A50	1.000 in	1.250 in	0.125 in	9 psi
ASTC1000-5A50	1.000 in	1.375 in	0.187 in	10 psi

