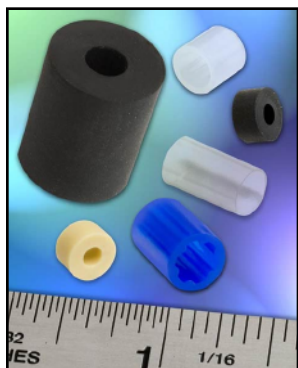




# Miniature Tubing



Our capabilities include the manufacture of miniature tubing as small as .025" diameter. Material selection varies from standard polymers to specialized polymers.

### Applications Include:

- Electrical Components
- Swab Sticks
- Spray Bottle Dispensers

PHYSICAL PROPERTIES							
General Properties Range	Density g/cc	Tensile str.@ yield 1000 psi	Elongation at yield %	Flex. Mod 10E5 psi	Notched Izod Impact	Deflection Temp. F.	UL 94 Rating
ABS	1.05	4.5-8	30%	2.8-3.9	1.50-7.1	165-220	HB-VO
Cab: cellulose, acetate, butyrate	1.2	3-6.6	-	1.2-2.7	2.2-8.4	205-154	-
PVDF: polyvinyl deneflo	1.78	1370-8.3	5-10%	.25-3.4	-	120-284	VO
RCO	1.02-1.50	2.2-13.0	5%-250%	.3-21.0	.7-no break	268-470	HB, V-2, VO
PET Polyester	1.27	7.3	4%-4.3%	2.9-3.6	1.7-1.9	153-158	V-2
LDPE: Low density polyethylene	0.92	1.1-2.0	100%-800%	.2-.4	No break	185-205**	-
HDPE: High density polyethylene	0.95	3.0-5.0	60%-1000%	1.65-2.25	2.3-14.0	150-172	-
Polypropylene: H0	0.9	3.4-5.8	9%-15%	2.0-3.2	.4-.9	175-275	VO, V2, HB
Polypropylene: C0	0.9	2.4-4.0	8%-15%	.75-1.85	.8-3.0	145-160	VO, V2, HB
Polyvinyl	0.9	3.0-4.6	--	1.0-1.7	No break	194-203	
Polystyrene Crystal	1.04	5.4-8	2%	3.0-5.0	.26-.4	203	HB
High Impact Polystyrene	1.05	2.7-4.3	5%-50%	2.0-3.4	.9-4.0	183-201	HB
Polyvinyl Chloride Rigid	1.4	5.3-8.0	-	2.5-4.3	1.0-23.0	150-170	VO
Flexible	1.18-1.50	1.1-3.0	240%-425%	-	NB	-	-

\*\*Vicat Softening

## Secondary Operations

From standard polyolifins to specialized polymers, Genplex can provide the secondary operations to save you time and money, including bending, punching, chamfering, drilling, printing, and engraving.