

# PT Flex 20-85

## (Matrix PU PT Flex)

### Applications

The PT Flex 20-85 polyurethane rubbers reproduce fine detail. Available in a variety of hardnesses, these resins are excellent for prototyping and model making applications and for the casting of production parts, props, tools, and more.

### Properties

- ▶ Low viscosity
- ▶ Reproduces fine detail
- ▶ Low shrinkage on cure

PHYSICAL PROPERTIES (PT Flex 20-50)

Properties	PT Flex 20	PT Flex 30	PT Flex 40	PT Flex 50
Shore hardness	A25	A30	A40	A50
Specific gravity	1.01	1.04	1.07	1.03
Cured colour	Tan	Clear Yellow/ Amber	Clear Yellow/ Amber	Yellow/Amber
Initial mixed viscosity (cP)	975	1300	850	600
Shrinkage upon cure (in/in)	0.0050	0.0004	0.0001	0.0020
Tensile strength (psi)	177	675	730	284
Elongation (%)	501	950	660	242
Tear strength (pli)	46.7	484	433	57.2

PHYSICAL PROPERTIES (PT Flex 60-85)

Properties	PT Flex 60	PT Flex 70	PT Flex 85
Shore hardness	A55	A70	A85
Specific gravity	1.04	1.05	1.06
Cured colour	Yellow/Amber	Yellow/Amber	Yellow/Amber
Initial mixed viscosity (cP)	760	800	1,200
Shrinkage upon cure (in/in)	0.0025	0.0046	0.0016
Tensile strength (psi)	310	458	842
Elongation (%)	222	142	183
Tear strength (pli)	71.0	148.7	194.2