



## SLS® TPE 210-S Thermoplastic Elastomer

### Features & Benefits

- Simulates Thermoplastic Elastomer
- Abrasion Resistant
- High Tear Strength
- Withstands Repeated Bending & Flexing
- Liquid Resistant
- Ideal For:
  - Gaskets, Hoses & Seals
  - Functional Models

### Additional Information

- Available for Instant Online Quoting
- Maximum Build: 15x13x18in
- Tolerances: +/- .003" for the first 3 inches, +/- .001" for each additional inch
- Minimum Wall Thickness: .035"
- Finish Options Include:
  - Natural
  - Colors Available Upon Request

### Material Properties

	TEST	TPE 210-S
Density, Bulk	ASTM D1895	0.37 g/cc
Particle Size		
	d90	Laser Diffraction 90-130 µm
	d50	Laser Diffraction 75-85 µm
	d10	Laser Diffraction 20-40 µm
	ASTM D792	1.03 g/cc

### Thermal Properties

	TEST	TPE 210-S
Melting Point	ASTM D3418	178°C
Melt Flow Rate (180 sec., 2.16 kg, 190°C)	ASTM D1238	15.5 g/10 min

### Typical Part Properties

	TEST	TPE 210-S
Tensile Modulus	ASTM D638	4.8-8.3 MPa / 700-1200 psi
Tensile Elongation to Break		90-250%
Initial Tear Resistance	Die C, 23°C	ASTM D1004 33 N
Abrasion Resistance	Taber, H-18	ASTM D4060 535 mg/1000 cyc
Hardness, Shore "A"	Wheel, 1kg load 23°C	ASTM D2240 40-60