



Product: SoftFlex 530A

Product Description: 30 Shore A TPE-SEBS : FDA & USP Class 6 Compliant, ISO 10993-5

Physical Properties	Units	ASTM Test Method	Value (Injection Molded)
Tensile Strength, @ break	psi MPa	D412	540 3.7
100% Modulus	psi MPa	D412	100 (0.7)
300% Modulus	psi MPa	D412	280 1.93
Elongation, @ break	%	D412	520
Tear Strength	lbs./in. KN/mm	D624	70
Tensile Set (100% Strain, 1 min hold)	%	D412	3.0
Melt Viscosity, 190C, 227 sec-1	Pa-sec	APA QC20	303
Durometer	Shore A	D2240	27A – 30A
Specific Gravity	g/cm ³	D792	0.89

Recommended Molding Conditions:

Feed throat – 140C (throat cooling recommended to prevent blocking)

Barrel Temperatures – 160 – 190C

Die Temperature – 170C; Screw speed – 30 – 60; Injection Pressure: Low to medium; Injection Speed: Medium to fast; Cooling Time: (depends on part thickness) 20 – 50 sec.