



Estane® Skythane™ R198A-8 TPU

TECHNICAL DATA SHEET

Type: Estane® Skythane™ R198A-8 is a Shore 98A, polyether type thermoplastic polyurethane (TPU). FDA approved (21 CFR 177.2600, 177.1680)

Uses: Injection Molding, Extrusion

Physical Properties	Standard No.	Units	Value
Hardness	ASTM D2240	Shore A	98
		Shore D	55
Specific Gravity	ASTM D792	g/cm ³	1.14
Mechanical			
Tensile Stress	ASTM D412	kgf/cm ²	
At 100% elongation			150
At 300% elongation			260
Tensile Strength	ASTM D412	kgf/cm ²	440
Ultimate Elongation	ASTM D412	%	545
Tear Resistance (Die C)	ASTM D624	kgf/cm	135
Compression Set	ASTM D395		
At 23°C X22hr		%	20
At 70°C X22hr		%	45
Mold Shrinkage	ASTM D955	m/m	0.007
Thermal			
Vicat Softening Temperature	ASTM D1525	°C	130

* Test samples were annealed at 100°C and 24 hours at room temperature before testing.

**These are typical values and should not be used for specifications.

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