

Technical Data Sheet

Type: ESTANE® X-595A-11 is a Shore 97A, polyester grade thermoplastic polyurethane (TPU).

Uses: Extrusion

Physical Properties	Standard No.	Units	Value
Hardness	ASTM D2240	Shore A	97
Specific Gravity	ASTM D792	g/cm ³	1.22
Mechanical			
Tensile Stress:	ASTM D412	kgf/cm ²	
At 100% elongation			135
At 300% elongation			240
Tensile Strength	ASTM D412	kgf/cm ²	500
Ultimate Elongation	ASTM D412	%	550
Tear Resistance (Die C)	ASTM D624	kgf/cm	130
Compression Set			
At 23°C X22hr		%	20
At 70°C X22hr		%	50
Thermal			
Vicat Softening Temperature	ASTM D1525	°C	115
Melt Index @ 224°C, 2160g load	ASTM D1238	g/10min	22

*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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