

Technical Data Sheet

Type: Estane[®] X595A-3FR TPU is a Shore 94A, polyester type thermoplastic polyeurethane elastomer.

Uses: Film Blowing, Extrusion

Physical Properties	Standard No.	Units	Value
Hardness	ASTM D2240	Shore A	94
Specific Gravity	ASTM D792	g/cm ³	1.22
Mechanical			
Tensile Stress:	ASTM D412	kgf/cm ²	
At 100% elongation			120
At 300% elongation			210
Tensile Strength	ASTM D412	kgf/cm ²	400
Ultimate Elongation	ASTM D412	%	550
Tear Resistance (Die C)	ASTM D624	kgf/cm	115
Compression Set	ASTM D395		
At 23°C X22hr		%	15
At 70°C X22hr		%	60
Thermal			
Vicat Softening Temperature	ASTM D1525	°C	105

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

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