



Product Information

ESC-thane Compound U93

TPU thermoplastic polyester urethane

Property	Test Method	Units	Value
Mechanical			
Tensile Modulus	ASTM D 412	MPa (psi)	
@50% Elongation			8.4 (2250)
@100% Elongation			11.0 (1600)
@300% Elongation			27.6 (4000)
Ultimate Tensile Strength	ASTM D 412	MPa (psi)	44.8 (6500)
Ultimate Elongation	ASTM D 412	%	400
Elongation Set After Break	ASTM D 412	%	30
Tear Strength, Die "C"	ASTM D 624	KN/m (PLI)	145 (830)
Compression Set	ASTM D 395		
22 hours at 25 C (77 F)	Method B	%	25
22 hours at 70 C (158 F)		%	29
Hardness , Shore A	ASTM D 2240		90-98A
Taber Abrasion Resistance	ASTM D 1044		
1000 g, 1,000 cycles; H-22 wheel (coarser)		10	mg
Flexural Modulus	ASTM D 790	Mpa (psi)	82.7 (12,000)
Reinforcement	NO		
Color			

