



Product Information

ESC-thane™ Compound U65-N 65 Shore D Durometer **TPU thermoplastic polyurethane**

Property	Test Method	Units	Value
Mechanical			
Tensile Modulus	ISO 527	MPa (psi)	
@50% Elongation			25 (3626)
@100% Elongation	ISO 527		31 (4497)
@300% Elongation	ISO 527		
Tensile Strength	ISO 527	MPa (psi)	35 (5076)
Ultimate Elongation	ISO 527	%	
Elongation at Break	ISO 527	%	440
Tear Strength, Die "C"	ISO 34-1B	KN/m (PSI)	210 (1199)
Compression Set	ASTM D395B		
22 hours at 25 C (77 F)		%	35
22 hours at 70 C (158 F)		%	50
Hardness , Shore A	ISO 868		64D
Density @ 20C	ISO 2781	1.2	g/cm3
Abrasion Loss	ISO 4649	mm 3	25
Tg		F	
Vicat Softening point	ASTM D1525	F	
Reinforcement	NO		
Color			NATURAL

The information provided in this data sheet corresponds to our knowledge on the subject at the date of this publication. This information may be subject to revision as new knowledge and experience becomes available. The data provided fall within the normal range of product properties and relate only to the specific material designated; these data may not be valid for such materials used in combination with any other material, additives or pigments or in any process, unless expressly indicated otherwise. The data provided should not be used to establish specifications limits or used alone as the basis of design; they are not intended to substitute for any testing you may need to do to determine the suitability of a specific compound for your particular purpose. Since Engineered Seals, LLC cannot anticipate all variation in actual end-use conditions ESC makes no warranties and assumes no liability in connection with any use of this information. Caution: Do not use this product in medical application involving permanent implantation in the human body.