



Product Information

ESC-thane™ Compound H-POLY Machining Grade

TPU Hydrolysis Resistant Polyurethane

Property	Test Method	Units	Value
Mechanical			
Tensile Modulus	DIN 53.504	PSI	
@100% Elongation			2175
@300% Elongation			4160
Tensile Strength	DIN 53.504	PSI	7250
Ultimate Elongation	DIN 53.504	%	350
Elongation at Break	DIN 53.504	%	600
Tear Strength, Die "C"	DIN 53.515	lbf/inch	570
Compression Set	is 815		
22 hours at 25 C (77 F)		%	27
22 hours at 100 C (212 F)		%	33
Hardness , Shore A	ISO 868		95A / 48D
Specific Gravity	ISO 1183		1.2 g/cm3
Taber Abrasion Resistance	DIN 53.516	mm 3	17
Min. Service Temp.			-4 deg. F
Max. Service Temp.			240 deg. F
Reinforcement	NO		
Color			RED

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.