Product Information

ESC-thane™ P96-HT Compound for Extended Temperatures

PPDI-Polyether based thermoplastic polyurethane

Property	Test Method	Units	*ESC* P96-HT Value
Hardness , Shore A	ASTM D2240		95A to 97A
Hardness , Shore D	ASTM D2240		43D to 45D
Specific Gravity	D792		1.1
Tensile Strength	D412	psi	5300
100% Modulus	D412	psi	1800
Rebound, %	ASTM 2632	%	63
Elongation at Break	D412	%	660
Trouser tear	D1938	pli	383
Split tear	D412	pli	253
Compression Set B	ASTM D395B		
22 hours at 70°C (158° F)		%	29
70 hours at 100°C (212° F)		%	na
Flexural Modulus	ASTM D790	psi	12,983
Rebound, Bayshore	ASTM D2632	%	63
DIN Abrasion	DIN 53516	mm3	27
Tg		°F (°C)	-63°F (-53°C)
Vicat Softening point	ASTM D1525	°F (°C)	331°F (166°C)
Operating Temperature in oil		°F (°C)	-50°F to +275°F
Reinforcement			NO
Color			