Technical Data Sheet

Type: Estane® 2355-95AE is a thermoplastic polyurethane elastomer.

Feature: Fuel resistance, extrusion laminate coating.

Properties	Test Method	English		S.I.	
		Values[t]	Units	Values[t]	Units
Physical[(1)]					
Shore Hardness	ASTM D 2240	94	A	94	A
Specific Gravity	ASTM D 792	1.22		1.22	
Melt Flow Rate, 224°C/8700g	ASTM D 1238	-	g/10min	13	g/10min
Taber Abrasion, Wt Loss, 1000g wt 1-1000g, H-22 (coarser)	ASTM D 1044	-	mg	4	mg
Mold Shrinkage, Transverse direction	ATSM D 955	0.5-0.9	%	0.5-0.9	%
Mold Shrinkage, Flow direction	ATSM D 955	0.6-0.9	%	0.6-0.9	%
Mechanical[(2)]					
Tensile Modulus -50% elongation -100% elongation -300% elongation	ASTM D 412	 1200 1400 3100	 psi psi psi	 8.3 9.7 21.4	 MPa MPa Mpa
Ultimate Elongation	ASTM D 412	450	%	450	%
Ultimate Tensile Strength	ASTM D 412	5650	psi	38.9	Mpa
Elongation Set After Break	ASTM D 412	60	%	60	%
Tear Strength, Die C	ASTM D 624	600	PLI	105	KN/m
Compression Set, Method B -22 hrs @ 25°C -22 hrs @ 70°C	ASTM D 395	 30 80	 % %	 30 80	 % %
Flexural Modulus	ASTM D 790	13,000	psi	89.6	MPa
Thermal					
Vicat Softening Point (120°C/hr, 9.8N)	ASTM D 1525	177	°F	80.6	°C
Glass Transition Temperature	DSC	5	°F	-15	°C
CLTE, in-flow	ASTM D 696	85.0	in/in/°F	153	mm/mm/°C
Processing Conditions (Typical)					
Drying Temperature (air dew point <-40C)		190-200	°F	88-104	°C
Melt Temperature (Extrusion)		360-390	°F	182-199	°C
Mold Temperature		60-140	°F	16-60	°C

[1]Typical properties; not to be construed as sales specifications. Fabrication conditions, part design, additives, processing aids, finishing materials and use conditions can all affect the integrity, performance and regulatory status of finished goods.

[2]Tests conducted on 0.126 inch (3.2mm) injection molded specimen, unannealed, unless noted.