

**Technical Data Sheet**
**Type:** Estane® 2355-75A is a thermoplastic polyurethane elastomer.

**Feature:** Memory and elasticity, impact modification.

Properties	Test Method	English		S.I.	
		Values <sup>†</sup>	Units	Values <sup>†</sup>	Units
<b>Physical<sup>(1)</sup></b>					
Shore Hardness	ASTM D 2240	83	A	83	A
Specific Gravity	ASTM D 792	1.19		1.19	
Melt Flow Rate, 224°C/1200g	ASTM D 1238	-	g/10min	28	g/10min
Taber Abrasion, Wt Loss, 1000g wt 1-1000g, H-22 (coarser)	ASTM D 1044	-	mg	28	mg
Mold Shrinkage, Transverse direction	ATSM D 955	-0.1-0.6	%	-0.1-0.6	%
Mold Shrinkage, Flow direction	ATSM D 955	0.5-0.7	%	0.5-0.7	%
<b>Mechanical<sup>(2)</sup></b>					
Tensile Modulus	ASTM D 412	430	psi	3.0	MPa
-50% elongation		710	psi	4.9	MPa
-100% elongation		1530	psi	10.5	Mpa
-300% elongation					
Ultimate Elongation	ASTM D 412	525	%	525	%
Ultimate Tensile Strength	ASTM D 412	5130	psi	35.3	Mpa
Elongation Set After Break	ASTM D 412	30	%	30	%
Tear Strength, Die C	ASTM D 624	450	PLI	78.8	KN/m
Compression Set, Method B	ASTM D 395				
-22 hrs @ 25°C		25	%	25	%
-22 hrs @ 70°C		30	%	30	%
<b>Thermal</b>					
Vicat Softening Point (120°C/hr, 9.8N)	ASTM D 1525	171	°F	77.2	°C
Glass Transition Temperature	DSC	-44	°F	-42	°C
CLTE, in-flow	ASTM D 696	94.9	in/in/°F	171	mm/mm/°C
<b>Processing Conditions (Typical)</b>					
Drying Temperature (air dew point <-40C)		190-200	°F	82-93	°C
Melt Temperature (Molding)		370-400	°F	188-204	°C
Melt Temperature (Extrusion)		350-390	°F	177-199	°C
Mold Temperature		60-140	°F	16-60	°C

<sup>1</sup>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.

<sup>2</sup>Tests conducted on 0.126 inch (3.2mm) injection molded specimen, unannealed, unless noted.

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