

**Technical Data Sheet**
**Type:** Estane® 2355-85ABR is a thermoplastic polyurethane elastomer. Blended Resin.

**Feature:** Good physical properties, chemical resistance and wide processing window for extrusion.

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	87	A	87	A
Specific Gravity	ASTM D 792	1.18		1.18	
Melt Flow Rate, 224°C/8700g	ASTM D 1238	-	g/10min	52	g/10min
Taber Abrasion, Wt Loss, 1000g wt 1-1000g, H-22 (coarser)	ASTM D 1044	-	mg	15	mg
Mold Shrinkage, Transverse direction	ATSM D 955	0.1-0.5	%	0.1-0.5	%
Mold Shrinkage, Flow direction	ATSM D 955	0.4-0.6	%	0.4-0.6	%
<b>Mechanical<sup>(2)</sup></b>					
Tensile Modulus	ASTM D 412	800	psi	5.5	MPa
-50% elongation		850	psi	5.9	MPa
-100% elongation		1300	psi	9.0	Mpa
-300% elongation					
Ultimate Elongation	ASTM D 412	630	%	630	%
Ultimate Tensile Strength	ASTM D 412	4500	psi	31	Mpa
Elongation Set After Break	ASTM D 412	80	%	80	%
Tear Strength, Die C	ASTM D 624	450	PLI	78.8	KN/m
Compression Set, Method B	ASTM D 395				
-22 hrs @ 25°C		30	%	30	%
-22 hrs @ 70°C		75	%	75	%
<b>Thermal</b>					
Vicat Softening Point (120°C/hr, 9.8N)	ASTM D 1525	169	°F	76.1	°C
Glass Transition Temperature	DSC	-33	°F	-36	°C
CLTE, in-flow	ASTM D 696	829.2	in/in/°F	161	mm/mm/°C
<b>Processing Conditions (Typical)</b>					
Drying Temperature (air dew point <-40C)		180-200	°F	82-93	°C
Melt Temperature (Molding)		340-360	°F	171-182	°C
Melt Temperature (Extrusion)		330-360	°F	166-182	°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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