

**2000 A Series Magnetically Attractive TPU
Thermoplastic Elastomer Alloy
Heat Stabilized
Metal Detectable
Preliminary Datasheet**

PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

PERMANENCE	English	SI Metric	ASTM TEST
Specific Gravity	1.40	1.40	D 792
MECHANICAL			
Tensile Strength			
Die C, 0.125 in, 20 in/min (3.2mm, 500 mm/min)	4500 psi	31 MPa	D 412
Tensile Elongation			
Die C, 0.125 in, 20 in/min (3.2mm, 500 mm/min)	450.0 %	450.0 %	D 412
Tensile Stress			
Die C 0.125 in, 20 in/min (3.2 mm, 500 mm/min)			
@100%	1200.0 psi	8.3 MPa	D 412
Tear Strength, Die C	375.0 pli	65.7 N/mm	D 624
Hardness			
Shore A, 10 s delay	87	87	D 2240

PROPERTY NOTES

Data herein is typical and not to be construed as specifications.

Unless otherwise specified, all data listed is for natural or black colored materials. Pigments can affect properties.

GENERAL PROCESSING FOR EXTRUSION PROCESSING

	English	SI Metric
Melt Temperature	380 - 420 °F	193-216°C
Die Temperature	360 - 420 °F	182-216°C
Drying	2 - 4 hrs @ 180 - 220 °F	2 - 4 hrs@ 82 - 104 °c
Moisture Content	< 0.10 %	< 0.10 %

PROCESSING NOTES

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This information is intended to be used only as a guideline for designers and processors of modified thermoplastics. Because design and processing is complex, a set solution will not solve all problems. Observation on a "trial and error" basis may be required to achieve desired results.

Data are obtained from specimens molded under carefully controlled conditions from representative samples of the compound described herein. Properties may be materially affected by molding techniques applied and by the size and shape of the item molded. No assurance can be implied that all molded articles will have the same properties as those listed.

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