



Product Data Sheet & General Processing Conditions

PermaStat® 1200 T-80A Ether-based Thermoplastic Polyurethane Elastomer (TPUR/TPU) Permanently Anti-static

PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

PERMANENCE	English	SI Metric	ASTM TEST
Specific Gravity	1.08	1.08	D 792
MECHANICAL			
Hardness Shore A, 10 s delay	80	80	D 2240
ELECTRICAL			
Volume Resistivity	1E10 - 1E11 ohm.cm	1E10 - 1E11 ohm.cm	D 257
Surface Resistivity	1E11 - 1E12 ohm/sq	1E11 - 1E12 ohm/sq	D 257
Static Decay MIL-PRF-81705D, 5kV to 50 V, 12% RH	2.00 s	2.00 s	FTMS101C 4046.1

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.

PROCESSING NOTES

Do not exceed 520 °F (270 °C) melt temperature.
Desiccant Type Dryer Required.

15 Apr 2005 TES

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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