



**Product Data Sheet &
General Processing Conditions**

**Polabond® 6003-45A HF
Speciality Thermoplastic Elastomer
High Flow**

PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

PERMANENCE	English	SI Metric	ASTM TEST
Specific Gravity	0.94	0.94	D 792
MECHANICAL			
Tensile Strength Die C, 0.125 in, 20 in/min (3.2mm, 500 mm/min)	650 psi	4 MPa	D 412
Tensile Elongation Break, Die C, 0.125 in, 20 in/min (3.2mm, 500 mm/min)	680.0 %	680.0 %	D 412
Tensile Stress Die C 0.125 in, 20 in/min (3.2 mm, 500 mm/min) @ 100 %	185.0 psi	1.3 MPa	D 412
Tear Strength, Die C	105.0 pli	18.4 N/mm	D 624
Hardness Shore A, 10 s delay	45	45	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 INJECTION MOLDING

	English	SI Metric
Melt Temperature	380 - 460 °F	193 - 238 °C
Mold Temperature	70 - 120 °F	21 - 49 °C
Drying	2 - 4 hrs @ 180 °F	2 - 4 hrs @ 82 °C
Moisture Content	< 0.03 %	< 0.03 %
Dew Point	0 °F	-18 °C

PROCESSING NOTES

Desiccant Type Dryer Required.