



Dynamic Micro Systems

Semiconductor Equipment GmbH

DMS · Im Wiesengrund 17 · 78315 Radolfzell · Germany

Tel.: -49-7732-9409-0

Fax: -49-7732-9409-200

e-mail: marketing@dms-semi.de

Internet: www.dms-semi.de

DMS Wafer Carrier 8" (200mm) ABS PermaStat® 600 clear

Compound Properties

	English	SI Metric
Color	Natural/Black	Natural/Black
Injection Pressure	10000 - 15000 psi	69 - 103 MPa
Injection Cylinder Temperature	380 - 450 °F	193 - 232 °C
Mold Temperature	120 - 200 °F	49 - 93 °C

Properties & Average Values of Injection Molded Specimens

Permanence	PermaStat® 600	PermaStat® 600	ASTM Test
Specific Gravity	1.05	1.05	D792
Molding Shrinkage, 1/8 in (3.18 mm) section	0.006-0.007 in/in	0.6-0.7 %	D955
Mechanical			
Impact Strength, izod, notched 1/8 in (3.18 mm) section	4ft-lb/in	214 J/m	D256
Impact Strength, Izod, unnotched 1/8 in (3.18 mm) section	30 ft-lb/in	1602 J/m	D256
Tensile Strength	6000 psi	41 MPa	D638
Tensile Elongation	10+ %	10+ %	D638
Tensile Modulus	0,31 psi x 10 ⁶	2140 MPa	D638
Flexural Strength	9700 psi	67 MPa	D790
Flexural Modulus	0,31 psi x 10 ⁶	2140 MPa	D790
Electrical			
Volume Resistivity	10E9-10E10 ohm-cm	10E9-10E10 ohm-cm	D257
Surface Resistivity	10E10-10E11 ohm/sq	10E10-10E11 ohm/sq	D257
Static Decay Mil-PRF-81705D	< 2 sec	<2 sec	FTMS-4046.1
Thermal			
Deflection Temperature @ 246 psi (1.82 Mpa)	160° F	71°C	D648
Deflection Temperature @ 66 psi (0,45 Mpa)	190° F	88° C	D648
Flammability	HB@ 1/16 in	HB@ 1,5 mm	D 635

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Regelmäßige freiwillige
Überwachung nach ISO 14001



Accessories for the Semiconductor Industry

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