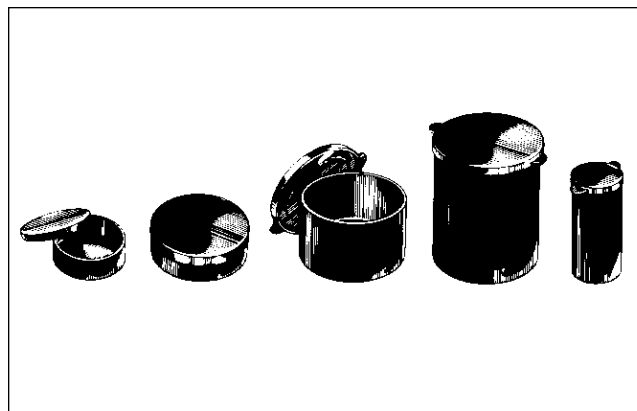




Round Containers with Covers

Data Sheet

These Velostat containers are injection-molded in a variety of shapes and sizes. They are ideal for static-safe storage, kitting, and in-process handling and transporting of static-sensitive assemblies and devices.



Product No.	Diameter	Height
4011	2.38" (6,0 cm)	0.88" (2,2 cm)
4012	3.38" (8,6 cm)	0.88" (2,2 cm)
4013	1.81" (4,6 cm)	4.0" (10,2 cm)
4014	4.06" (10,3 cm)	2.34" (6,0 cm)
4015	3.81" (9,7 cm)	4.69" (11,9 cm)

All dimensions are referenced from the inside bottom of the container and are nominal dimensions.

Typical Property	Test Method	4550 Compound / 1801 Sheet Stock Typical Value *	4520 Compound / 1840 Sheet Stock Typical Value **
Hardness	ASTM D2240	58-62 Shore D	67-71 Shore D
Heat Deflection Temp.	ASTM D648	38°- 43°C @ 264 psi	100°C @ 66 psi 50°C @ 264 psi
Water Absorbtion	ASTM 570	.1 - .2%	.1 - .2%
Vicat Softening	ASTM D1525	88°- 92°C	148°C
Flammability	ASTM D635	4.5 - 5.5 cm/min	2 cm/min
Thermal Conductivity	ASTM C117	.15 - .25 BTU/hr*ft ² *°F/ft	0.19 BTU/hr*ft ² *°F/ft
Impact Resistance Notched Izod	ASTM D256	2.9 - 3.7 ft-lbs/in @ 72°F 0.6 - 1.3 ft-lbs/in @ 25°F	8 - 10 ft-lbs/in @ 72°F 7 - 9 ft-lbs/in @ 25°F
Maximum Temp. Exposure	3M	150°F	180°F
Tensile Strength	ASTM D638	1700 - 2000 psi	2800 - 3000 psi
Flex Modulus	ASTM D790	40,000-50,000 psi	130,000-150,000 psi
Mold Shrinkage	ASTM 955	15 - 20 mil/in	10 - 20 mil/in
Electrical Conductance Volume Conductive	ASTM D991	< 500 ohms/cm	< 500 ohms/cm
Chemical Resistance	ASTM D543		
Alcohol		Resistant	Resistant
Aromatic Hydrocarbons		Severe Attack	Severe Attack
Aliphatic Hydrocarbons		Moderate Attack	Moderate Attack
Concentrated Acids		Slight Attack	Slight Attack
Concentrated Alkalines		Slight Attack	Slight Attack
Dilute Acids		Resistant	Resistant
Dilute Alkalines		Resistant	Resistant
Kerosene		Severe Attack	Severe Attack
Keytones (Acetone)		Moderate Attack	Moderate Attack
Mineral Oil		Slight Attack	Slight Attack
Oil and Gasoline		Moderate Attack	Moderate Attack

*Velostat polyethylene technical data for 4550 Resin; 1801; 4251-4254ASnap on Covers.

**Velostat polypropylene technical data for 4520 Resin; 1840; 4011-4016 Round Containers and Lids; 4021-4025 Hinged Containers; 4031-4032 (tray only); 4061-4063 Trays; 4321-4333ASlip-in Dividers; 4400ASeries Tote Boxes and 4215-4236AInsert Covers; 4430-4431 Trays and 4420-4421 Covers; 4451-4457 Parts Bin; 4458-4459 Parts Drawer and Divider; 5701 Single Device Carriers; and 8520-8523 Single Card Carriers.

Limited Warranty – 3M expressly warrants that for a period of one year from the date of purchase, 3M static control products will be free of defects in materials (parts) and workmanship (labor). Defects occurring during the warranty period will be repaired or products will be replaced at 3M's option and expense, if 3M receives notice during the warranty period. Defective products must be returned to 3M with proof of purchase date.

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