

Product Description: Carbo-Rite™ M532 is a conductive, carbon filled *High Impact Polystyrene* available as extruded sheet. Thermoformed trays are lightweight and easily formed into deep pockets that maintain uniform static protection. **Carbo-Rite M532** is high in stiffness and ensures uniform pocket formation when dimensional tolerance is critical.

Properties (typical)	M532	Units	Test Method
Host Polymer	High Impact Polystyrene (HIPS)		
Filler	Carbon Black		
Color	Black		
Gloss – Front (Back)	35 (20)	%	60 degree
Specific Gravity	1.09	g/cc	ASTM D-792
Electrical Properties:			
Surface Resistivity	5×10^5	Ω /square	ASTM D-257 (50% R.H.)
Surface Resistance	5×10^4	Ω	ESD S11.11 (12% R.H.)
Volume Resistivity	5×10^7	Ω -cm	ASTM D-257
Static Decay Rate +5000 V to 50 V -5000 V to -50	<0.01 <0.01	Seconds	FTMS-101C (12% R.H.)
Mechanical Properties:			
Tensile Strength @ Yield	3500 (24)	psi (MPa)	ASTM D-638
Tensile Elongation, Break	16	%	ASTM D-638
Tensile Modulus	200,000 (1379)	psi (MPa)	ASTM D-638
Flexural Modulus	315,000 (272)	psi (MPa)	ASTM D-790-90
HDT @ 264 psi	178 (81)	°F (°C)	ASTM D-648
These are typical values and should not be used for establishing product specifications. Contact Lubrizol Advanced Materials, Inc if you need data for this purpose.			

- Carbo-Rite™ M532 is available in sheet form only.

FEATURES

- Superior impact strength
- High degree of stiffness
- High gloss

APPLICATIONS

- Electronic component packaging
- Component handling trays
- Tape & reel packaging

Product Format

Carbo-Rite™ M532 is available in custom extruded gauges from 0.012 to 0.080 inch and widths of 10 to 28 inches. Product is typically provided as rollstock with a smooth surface finish.

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