

Carbo-Rite™ M-530

High Impact Polystyrene
Lubrizol Advanced Materials, Inc.

Message:

Carbo-Rite™ M-530 is a conductive carbon filled high impact polystyrene available as extruded sheet. Thermoformed trays are lightweight and easily thermoformed into deep pockets that maintain uniform static protection. Carbo-Rite™ M-530 is high in stiffness and ensures uniform pocket formation when dimensional tolerance is critical.

Product Format:

Carbo-Rite™ M530 is available in customer extruded gauges from 0.012 to 0.080 inch and widths of 10 to 48 inches. Product is typically provided as rollstock with a smooth surface finished. Cut-sheets are also available.

General Information			
Additive	Carbon Black		
Features	Electrically Conductive		
	High Gloss		
	High Impact Resistance		
	High Stiffness		
Uses	Electrical/Electronic Applications		
	Packaging		
	Support Trays		
	Tape		
Appearance	Black		
Forms	Sheet		
Processing Method	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.09	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	940	MPa	ASTM D638
Tensile Strength (Yield)	24.0	MPa	ASTM D638
Tensile Elongation (Break)	10	%	ASTM D638
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	7.0E+3	ohms	ESD STM11.11
Volume Resistivity	9.0E+5	ohms · cm	ESD STM11.12
Static Decay - 1000 V to 10 V ¹	< 0.1	sec	
NOTE			
1.	Charged Plate Monitor		

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