

Carbo-Rite™ TL-515

Acrylonitrile Butadiene Styrene
Lubrizol Advanced Materials, Inc.

Message:

Carbo-Rite™ TL-515 is a multilayer sheet for carrier-tape applications. Carbo-Rite™ TL-515 utilizes state-of-the-art multilayer extrusion technology to provide good impact resistance and ensures uniform pocket formation in critical performance applications.

FEATURES

- Conductive ESD protection
- Good peel strength with most cover tapes

APPLICATIONS

- Carrier tape
- Thermoformed trays for electronic packaging

General Information	
Features	ESD Protection
	Good Impact Resistance
	Good Strength
Uses	Electrical/Electronic Applications
	Packaging
	Sheet
	Tape
Appearance	Black
Forms	Sheet
Processing Method	Extrusion
	Thermoforming

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.06	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1720	MPa	ASTM D882
Tensile Strength (Yield)	41.4	MPa	ASTM D882
Tensile Elongation (Break)	25	%	ASTM D882
Flexural Modulus	1720	MPa	ASTM D790
Electrical	Nominal Value	Unit	Test Method
Static Decay - 5000V to 50V, 12% R.H.	< 0.1	sec	FTMS 101C
Surface Resistivity - 50% R.H.	< 1.0E+6	ohms/sq	ASTM D257
Tribocharge - Nitrile Gloves (3.20 mm)	< 5.00	V	Internal Method
Gloss			Internal Method
60°, Bottom	55.0 to 90.0		
60°, Top	10.0 to 30.0		

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