

Carbo-Rite™ B-263

Polypropylene

Lubrizol Advanced Materials, Inc.

Message:

Carbo-Rite™ B-263 is a carbon black-filled Polypropylene compound with processing aids to improve molding of larger size parts and available in pellet form. Carbo-Rite B-263 solves a wide range of static decay, static shielding and electromagnetic shielding problems.
Features: Cost-effective ESD protection, consistent performance, recyclable, durable

General Information			
Additive	Carbon Black		
	Processing Aid		
Features	Durable		
	Electromagnetic Shielding (EMI)		
	ESD Protection		
	Recyclable Material		
Uses	Electrical/Electronic Applications		
	Racks		
	Tool/Tote Box		
Appearance	Black		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.0 to 1.2	%	ASTM D955
Water Absorption (24 hr)	0.010	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1070	MPa	ASTM D638
Tensile Strength (Break)	19.7	MPa	ASTM D638
Tensile Elongation (Break)	2.5	%	ASTM D638
Flexural Modulus	1490	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	270	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	135	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	< 1.0E+6	ohms	ASTM D257
Volume Resistivity	< 1.0E+6	ohms · cm	ASTM D257
Additional Information	Nominal Value	Unit	Test Method

Ionic Content		Internal Method
Anions Cl-	9.00	ng/cm ²
Anions NO3-	5.00	ng/cm ²
Anions PO4-	1.50	ng/cm ²
Anions SO4-	7.00	ng/cm ²
Outgassing		Internal Method
MMA	0.0300	μg/g
Styrene	< 0.0200	μg/g
Toluene	< 0.0200	μg/g
Total Organics	3.60	μg/g

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Recommended distributors for this material

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