

REV Materials 8004-003

Polypropylene

REV Materials

Message:

6% multi-walled carbon nanotubes dispersed in a polypropylene matrix suitable injection molding applications.

General Information			
Filler / Reinforcement	Carbon Nano filler, 6.0% filler by weight		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.938	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2000	MPa	ASTM D638
Tensile Strength	33.8	MPa	ASTM D638
Tensile Elongation (Break)	5.5	%	ASTM D638
Flexural Modulus	1790	MPa	ASTM D790
Flexural Strength	53.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	19	J/m	ASTM D256
Unnotched Izod Impact	470	J/m	ASTM D256
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	2.5E+3	ohms	ASTM D257
Volume Resistivity	2.3E+6	ohms·cm	ASTM D257
Injection	Nominal Value	Unit	
Rear Temperature	149 - 232	°C	
Middle Temperature	149 - 232	°C	
Front Temperature	149 - 232	°C	
Nozzle Temperature	149 - 232	°C	

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Recommended distributors for this material

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