REV Materials 8004-002

Polypropylene

REV Materials

Message:

3% multi-walled carbon nanotubes dispersed in a polypropylene matrix suitable injection molding applications.

General Information			
Filler / Reinforcement	Carbon Nano filler, 3.0% filler by weight		
Forms	Particle		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	0.923	g/cm³	ASTM D792
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	2070	MPa	ASTM D638
Tensile Strength	35.9	MPa	ASTM D638
Tensile Elongation (Break)	5.9	%	ASTM D638
Flexural Modulus	1860	MPa	ASTM D790
Flexural Strength	55.8	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact	19	J/m	ASTM D256
Unnotched Izod Impact	460	J/m	ASTM D256
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	2.0E+4	ohms	ASTM D257
Volume Resistivity	4.2E+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	

Recommended distributors for this material

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