OpteSTAT™ POM DP493

Acetal (POM) Copolymer

Ovation Polymers Inc.

Message:

OpteSTAT™ compounds are Ovation Polymers' line of nano-compounds based on carbon nanotubes. Our proprietary dispersion technology debundles and disentangles carbon nanotubes without compromising their integrity. OpteSTAT™ compounds exhibit good conductivity at minimal nanotube loadings, achieving exceptional cleanliness and physical property retention. OpteSTAT™ POM DP493 is a POM copolymer based carbon nanotube compound.

General Information	
Features	Clean/High Purity
	Conductive

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.36	g/cm³	ASTM D792
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus [1] (23°C)	2200	MPa	ASTM D638
Tensile Strength [2] (Yield, 23°C)	46.0	MPa	ASTM D638
Tensile Elongation [3] (Break, 23°C)	22	%	ASTM D638
Flexural Modulus [4] (23°C, 50.0 mm Span)	1830	MPa	ASTM D790
Flexural Strength [5] (5.0% Strain,23°C, 50.0 mm Span)	64.0	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C)	75	J/m	ASTM D256
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity [6]	1.0E+5 to 1.0E+7	ohms	ASTM D257

NOTE	
1.	50 mm/min
2.	50 mm/min
3.	50 mm/min
4.	1.3 mm/min
5.	1.3 mm/min
6.	On Molded Plaques

Recommended distributors for this material

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