Delta Kunststoffe AG

Technical data sheet
Deltacom POM 5448-EC2

Electrically conductive compound based on Polyoxymethylene (POM)

General properties	Method	Unit	Value
MFR 190 °C/ 5 Kg	ISO 1133	g/10 min	0,3 – 0,6
Density	ISO 1183	g/cm³	1,30 – 1,35
Moisture	internal method	%	≤ 0,2
Mechanical Properties			
Tensile Modulus	ISO 527	N/mm^2	≥ 900
Yield strength	ISO 527	N/mm^2	≥ 15
Strain at Yield	ISO 527	%	≥ 6
Strain at break	ISO 527	%	≥ 6
Notched Impact	ISO 179	kJ/m^2	2 – 5
Electrical Properties			
Surface resistivity	according to IEC 61340	Ohm	≤ 100
Surface resistivity	according to IEC 61340	Ohm	≤ $1*10^2$

Processing	Extrusion
Cylinder temperature	180 – 210 °C
Storage/ Drying	Drying is recommended (80 °C, 4 h)

Delivery form/ Packaging/ Storage conditions
Delivery as lenses- or cylinder granules, with a length of approx. 3 mm in polyethylene bags of 25 kg, big bags of 1.000 kg, octabins or in road tanker. As delivered, the packaging is suitable for storage stability of up to 12 months as long as the containers are undamaged and originally closed. Containers should be stored in a dry, frost-free location.

Application
Electrical conductive wear-resistant articles of high precision, e.g.: gears, keyboards, counters.

Regulatory requirements	
REACH and RoHS	The product is in accordance with regulation 1907/2006/EC (REACH) and RoHS 2015/683/EU.