

KEPITAL® ET-20R7 BK

POM, CNT filled, conductive and anti-static, for extrusion molding

- A CNT (Carbon Nano Tube) filled anti-static grade for general extrusion molding (rods, plates, sheets, etc.)
- Suitable for electric and automotive parts requiring anti-static property
- Cautions: Surface resistivity will change with extrusion conditions: die design, pressure, seeed, etc.

Product information

Part Marking Code	> POM-CD <		ISO 11469
Typical mechanical properties			
Yield stress, 50mm/min	52	MPa	ISO 527-1/-2
Yield strain, 50mm/min	10	%	ISO 527-1/-2
Nominal strain at break	20	%	ISO 527-1/-2
Flexural Modulus	2200	MPa	ISO 178
Flexural Strength	72	MPa	ISO 178
Charpy notched impact strength, 23°C	6	kJ/m²	ISO 179/1eA
Thermal properties			
Melting temperature, 10°C/min	165	°C	ISO 11357-1/-3
Coeff. of linear therm. expansion, parallel	90	E-6/K	ISO 11359-1/-2
Electrical properties			
Surface resistivity	1E7	Ohm	IEC 62631-3-2
Other properties			
Density	1370	kg/m³	ISO 1183

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