

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, speed, 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/m ²	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

Flammability

Burning Behav. at thickness h	HB class	UL 94
-------------------------------	----------	-------

Electrical properties

Surface resistivity	1E7 Ohm	IEC 62631-3-2
---------------------	---------	---------------

Other properties

Density	1370 kg/m ³	ISO 1183
---------	------------------------	----------
