

KEPITAL® ET-20R3 BK

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

- A CNT filled high-viscosity grade for general extrusion molding (rods, plates, sheets, etc.)
- Suitable for applications requiring surface resistivity 10^3 Ohm
- Cautions: Surface resistivity will change with extrusion conditions: die design, pressure, speed, etc.

Typical mechanical properties

Yield stress, 50mm/min	55 MPa	ISO 527-1/-2
Yield strain, 50mm/min	6 %	ISO 527-1/-2
Flexural Modulus	2500 MPa	ISO 178
Flexural Strength	75 MPa	ISO 178
Charpy notched impact strength, 23°C	3.5 kJ/m ²	ISO 179/1eA

Thermal properties

Melting temperature, 10°C/min	165 °C	ISO 11357-1/-3
-------------------------------	--------	----------------

Electrical properties

Surface resistivity	1000 Ohm	IEC 62631-3-2
---------------------	----------	---------------

Other properties

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