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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 10³ Ohm
- Cautions: Surface resistivity will change with extrusion conditions: die design, pressure, seeed, 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

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NOTICE TO USERS: Values shown are based on testing of laboratory test specimens and represent data that fall within the standard range of properties for natural material. These values alone do not represent a sufficient basis for any part design and are not intended for use in establishing maximum, minimum, or ranges of values for specification purposes. Colourants or other additives may cause significant variations in data values. Properties of moulded parts can be influenced by a wide variety of factors including, but not limited to, material selection, additives, part design for any use contemplated by a mole call grade (including by MT® product designation or otherwise), Celanese's products are not intended for use in medical or dental implants. Regardless of any such product designation, any determination of the suitability of a particular material and part design for any use contemplated by the users and the manner of such use is the sole responsibility of the users, who must assure themselves that the material as subsequently processed meets the needs of their particular product or use. To the best of our knowledge, the information contained in this publication is accurate; however, we do not assume any liability whatsoever for the accuracy and completeness of such information. The information contained in this publication as a promise or guarantee of specific properties of our products. It is the sole responsibility of the users to investigate whether any existing patents are infringed by the use of the materials mentioned in this publication. Moreover, there is a need to reduce human exposure to many materials to he lowest that texist. We recommend that persons intending to rely on any recommendation or to use any equipment, processing technique or material mentioned in this publication should satisfy themselves that they can meet all applicable safety and health standards. We strongly recommend that users seek and adhere to the manufacturer's current instructions for handling each material they use, a

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