

# KEPITAL® ET-20A BK

A carbon black filled, conductive grade

KEPITAL® Et-20A BK is a conductive grade for general injection molding. Features superior toughness and fuel-contact resistance. Suitable for automotive fuel module parts.

## Rheological properties

Moulding shrinkage range, parallel	2.0 %	ISO 294-4, 2577
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## Typical mechanical properties

Yield stress, 50mm/min	52 MPa	ISO 527-1/-2
Yield strain, 50mm/min	8 %	ISO 527-1/-2
Flexural Modulus	2450 MPa	ISO 178
Flexural Strength	76 MPa	ISO 178
Charpy notched impact strength, 23°C	5.5 kJ/m <sup>2</sup>	ISO 179/1eA
Poisson's ratio	0.384	

## Thermal properties

Melting temperature, 10°C/min	165 °C	ISO 11357-1/-3
Temp. of deflection under load, 1.8 MPa	92 °C	ISO 75-1/-2

## Flammability

Burning Behav. at thickness h	HB class	UL 94
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## Electrical properties

Surface resistivity	1000 Ohm	IEC 62631-3-2
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## Other properties

Density	1390 kg/m <sup>3</sup>	ISO 1183
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## Chemical Media Resistance

### Standard Fuels

- ✓ ISO 1817 Liquid 1 - E5, 60°C
- ✓ ISO 1817 Liquid 2 - M15E4, 60°C
- ✓ ISO 1817 Liquid 3 - M3E7, 60°C
- ✓ ISO 1817 Liquid 4 - M15, 60°C
- ✓ Standard fuel without alcohol (pref. ISO 1817 Liquid C), 23°C
- ✓ Standard fuel with alcohol (pref. ISO 1817 Liquid 4), 23°C