

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 ²	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 ³	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

Symbols used:

- ✓ possibly resistant
Defined as: Supplier has sufficient indication that contact with chemical can be potentially accepted under the intended use conditions and expected service life. Criteria for assessment have to be indicated (e.g. surface aspect, volume change, property change).
- ✗ not recommended - see explanation
Defined as: Not recommended for general use. However, short-term exposure under certain restricted conditions could be acceptable (e.g. fast cleaning with thorough rinsing, spills, wiping, vapor exposure).