Celanese
The chemistry inside innovation™

KEPITAL® ET-20A

A carbon black filled, conductive grade
Carbon black filled conductive grade and surface resistivity is less than 10^4 Ohm.
It has good fuel and chemical resistance and it's suitable for fuel module parts.

Rheological properties

Moulding shrinkage range, parallel	1.8	%	ISO 294-4, 2577

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/m²	ISO 179/1eA

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

Electrical properties

Surface resistivity	1000	Ohm	IEC 62631-3-2

Other properties

Density	1390	kg/m³	ISO 1183

Other Approvals

Other Approvals

OEM	Specification	Additional Information
Ford	WSS-M98P14-A7	ASN 10029
Ford	WSS-M98P14-A3	ASN 9910
Ford	WSS-M98P14-A3	ASN 9901
GM	GMW16278P-POM-C2	Black, GMW16278P-POM-Type C2 (replaced GMP.POM.047-C2)

Celanese
The chemistry inside innovation™

KEPITAL® ET-20A

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).