

KEPITAL® FA-30

An easy flowing conductive grade reinforced with carbon fiber
Carbon fiber reinforced conductive grade (easy flow) with 10³ ohms of surface resistivity. FA-30 provides high stiffness and strength.

Rheological properties

Moulding shrinkage range, parallel	0.6 %	ISO 294-4, 2577
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Typical mechanical properties

Stress at break, 5mm/min	98 MPa	ISO 527-1/-2
Nominal strain at break	1 %	ISO 527-1/-2
Flexural Modulus	8000 MPa	ISO 178
Flexural Strength	130 MPa	ISO 178
Charpy notched impact strength, 23°C	4.3 kJ/m ²	ISO 179/1eA
Poisson's ratio	0.32	

Thermal properties

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

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

Density	1420 kg/m ³	ISO 1183
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Other Approvals

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OEM	Specification	Additional Information
GM	GMW16278P-POM-C3	
Ford	WSS-M98P14-A3	ASN 9952

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

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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).
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