

hot diesel, medium-low viscosity grade

KEPITAL® FR-20H is a hot diesel medium-low viscosity grade providing excellent resistance to sour or hot diesel not sacrificing acetal's own mechanical properties. KEPITAL® FR-20H has a dark yellow color.

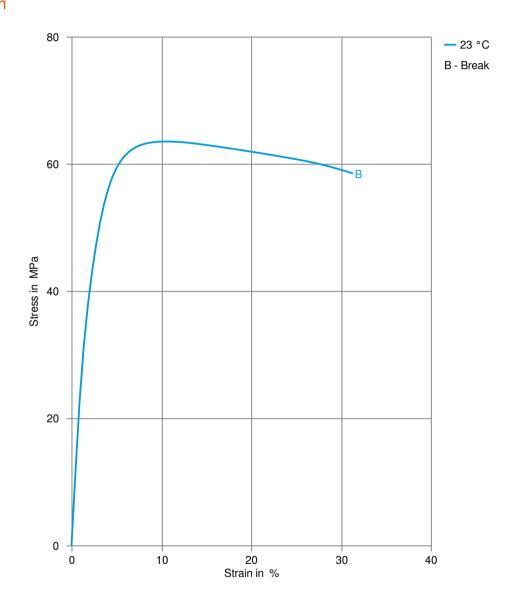
Discort		المراجع المراجع المراجع المراجع	
Kneo	odica	l properties	

Moulding shrinkage, parallel 1.6	% ISO 294-4, 2577
Typical mechanical properties	
Tensile Modulus 2600	MPa ISO 527-1/-2
Yield stress, 50mm/min 60	MPa ISO 527-1/-2
Yield strain, 50mm/min 8.5	% ISO 527-1/-2
Nominal strain at break 31	% ISO 527-1/-2
Flexural Modulus 2500	MPa ISO 178
Flexural Strength 80	MPa ISO 178
Charpy notched impact strength, 23°C 7	kJ/m ² ISO 179/1eA
Poisson's ratio 0.402	
Thermal properties	
Melting temperature, 10 °C/min 165	°C ISO 11357-1/-3
g ,	°C ISO 75-1/-2
Electrical properties	
	kV/mm IEC 60243-1
Other preparties	
Other properties	
Humidity absorption, 2mm 0.2	
Density 1410	kg/m ³ ISO 1183

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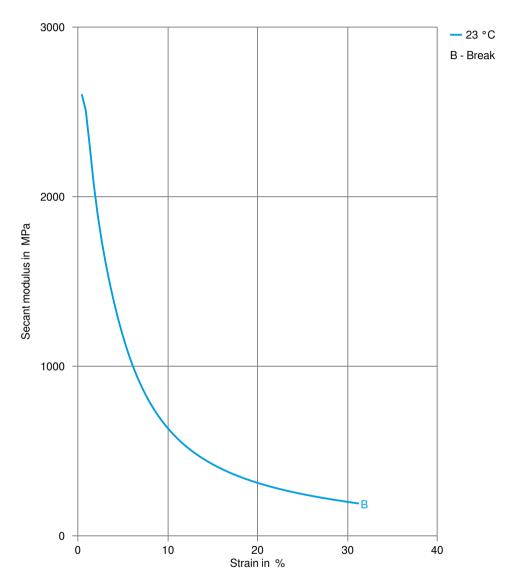
Stress-strain



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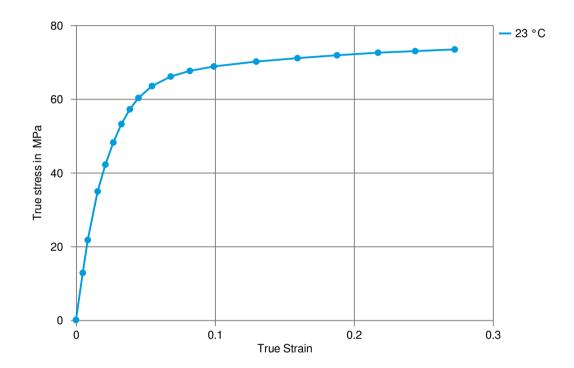
Secant modulus-strain



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True stress-strain



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Other Approvals

Other Approvals

OEM	Specification	Additional Information
GM	GMW18026P-POM	Natural & Black
Ford	WSS-M98P14-A7	ASN 10044
Ford	WSS-M98P14-A3	ASN 9955
Stellantis - PSA Group	B62 0020	

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).

x 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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Revised: 2023-06-27 Source: Celanese Materials Database

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 conditions and environmental exposure. Other than those products expressly identified as medical 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 should not be construed 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, we neither suggest nor guarantee that such hazards are the only ones that exist. 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 manufac

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