

# CAMPUS® foglio dati

HOSTAFORM® C 9021 XAP®2 LS - POM  
Celanese



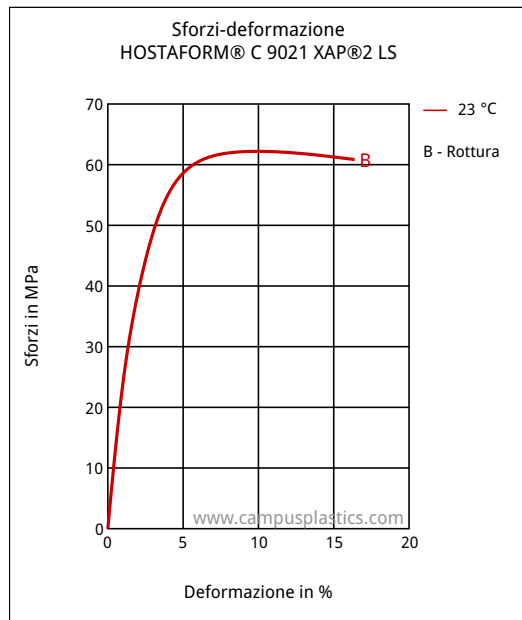
Proprietà Reologiche	Valore	Unità	Norma del test
Indice di fusione di volume, MVR	8	cm <sup>3</sup> /10min	ISO 1133
Temperatura	190	°C	ISO 1133
Carico	2.16	kg	ISO 1133
Proprietà Meccaniche	Valore	Unità	Norma del test
Modulo a trazione	2700	MPa	ISO 527-1/-2
Carico unitario a trazione	63	MPa	ISO 527-1/-2
Deformazione a snervamento	9	%	ISO 527-1/-2
Deformazione nominale a rottura	30	%	ISO 527-1/-2
Resistenza all'urto Charpy, +23°C	220P	kJ/m <sup>2</sup>	ISO 179/1eU
Resistenza all'urto Charpy, -30°C	220	kJ/m <sup>2</sup>	ISO 179/1eU
Resist. urto Charpy con intaglio, +23°C	6.5	kJ/m <sup>2</sup>	ISO 179/1eA
Resist. urto Charpy con intaglio, -30°C	6	kJ/m <sup>2</sup>	ISO 179/1eA
Proprietà Termiche	Valore	Unità	Norma del test
Temperatura di fusione, 10°C/min	166	°C	ISO 11357-1/-3
Temp.di inflessione sotto carico, 1.80 MPa	104	°C	ISO 75-1/-2
Temp.di rammollimento Vicat, 50°C/h 50N	150	°C	ISO 306
Coeff.di dilatazione termica lin., parallelo	120	E-6/K	ISO 11359-1/-2
Coeff.di dilatazione termica lin., perpend.	120	E-6/K	ISO 11359-1/-2
Proprietà Elettriche	Valore	Unità	Norma del test
Costante dielettrica relativa, 100Hz	4	-	IEC 62631-2-1
Costante dielettrica relativa, 1MHz	4	-	IEC 62631-2-1
Fattore di dissipazione, 100Hz	20	E-4	IEC 62631-2-1
Fattore di dissipazione, 1MHz	50	E-4	IEC 62631-2-1
Resistività volumica	1E12	Ohm*m	IEC 62631-3-1
Resistività superficiale	1E14	Ohm	IEC 62631-3-2
Rigidità dielettrica	35	kV/mm	IEC 60243-1
Altre Proprietà	Valore	Unità	Norma del test
Assorbimento d'acqua	0.65	%	Sim. alla ISO 62
Assorbimento d'umidità	0.2	%	Sim. alla ISO 62
Massa volumica	1410	kg/m <sup>3</sup>	ISO 1183

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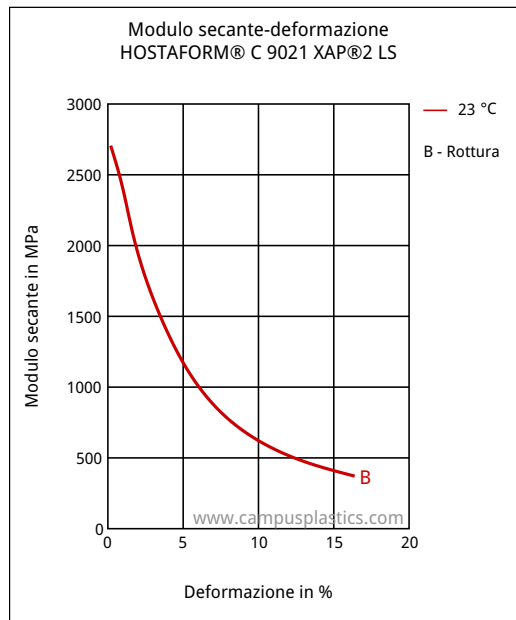
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### Funzioni

#### Sforzi-deformazione



#### Modulo secante-deformazione



### Caratteristiche

#### Processabilità e Forma di Forni

Stampaggio ad Iniezione

#### Additivi

Agente di distacco

#### Forma fisica disponibile

Pellet

#### Caratteristiche speciali

Stab. agli U.V. o per applicaz.in esterni

### Altre informazioni

#### Stampaggio ad Iniezione

To achieve low emission values pre drying using a recirculating air dryer (100 to 120 °C / max. 40 mm layer / 3 to 6 hours) is recommended.

Max. Water content 0,1 %

Standard injection moulding machines with three phase (15 to 25 D) plasticating screws will fit.

Conditioning e.g. moisturizing is not necessary.

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. Colorants or other additives may cause significant variations in data values. Properties of molded parts can be influenced by a wide variety of factors including, but not limited to, material selection, additives, part design, processing conditions and environmental exposure. 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. Moreover, there is a need to reduce human exposure to many materials to the lowest practical limits in view of possible adverse effects. To the extent that any hazards may have been 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 manufacturer's current

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instructions for handling each material they use, and entrust the handling of such material to adequately trained personnel only. Please call the telephone numbers listed for additional technical information. Call Customer Services for the appropriate Materials Safety Data Sheets (MSDS) before attempting to process our products. The products mentioned herein are not intended for use in medical or dental implants.