

Produkttext

Hostaform® MT®24U01 is a low melt viscosity for fast cycling, thin walled injection molding.

Hostaform® MT®24U01 is a special grade developed for medical industry applications and complies with:

- CFR 21 (177.2470) of the Food and Drug Administration (FDA) and is listed in the Drug Master File (DMF 11559) and the Device Master File (MAF 1079)
- the corresponding EU and national registry regulatory requirements
- biocompatibility in tests corresponding to USP < 88> Class VI/ISO 10993
- low residual monomers
- no animal-derived constituents

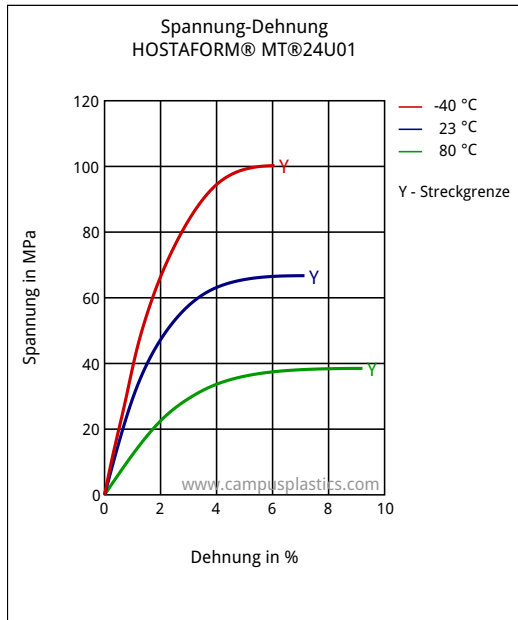
Rheologische Eigenschaften	Wert	Einheit	Prüfnorm
Schmelzevolumenrate, MVR	24	cm³/10min	ISO 1133
Temperatur	190	°C	ISO 1133
Belastung	2.16	kg	ISO 1133
Verarbeitungsschwindigkeit, parallel	1.9	%	ISO 294-4, 2577
Verarbeitungsschwindigkeit, senkrecht	1.8	%	ISO 294-4, 2577
Mechanische Eigenschaften	Wert	Einheit	Prüfnorm
Zug-Modul	2900	MPa	ISO 527-1/-2
Streckspannung	65	MPa	ISO 527-1/-2
Streckdehnung	7.5	%	ISO 527-1/-2
Nominelle Bruchdehnung	17	%	ISO 527-1/-2
Zug-Kriechmodul, 1h	2500	MPa	ISO 899-1
Zug-Kriechmodul, 1000h	1300	MPa	ISO 899-1
Charpy-Schlagzähigkeit, +23°C	170	kJ/m²	ISO 179/1eU
Charpy-Schlagzähigkeit, -30°C	170	kJ/m²	ISO 179/1eU
Charpy-Kerbschlagzähigkeit, +23°C	5.5	kJ/m²	ISO 179/1eA
Charpy-Kerbschlagzähigkeit, -30°C	5.5	kJ/m²	ISO 179/1eA
Thermische Eigenschaften	Wert	Einheit	Prüfnorm
Schmelztemperatur, 10°C/min	165	°C	ISO 11357-1/-3
Formbeständigkeitstemperatur, 1.80 MPa	106	°C	ISO 75-1/-2
Längenausdehnungskoeffizient, parallel	110	E-6/K	ISO 11359-1/-2
Andere Eigenschaften	Wert	Einheit	Prüfnorm
Wasseraufnahme	0.65	%	Ähnlich ISO 62
Feuchtigkeitsaufnahme	0.2	%	Ähnlich ISO 62
Dichte	1410	kg/m³	ISO 1183
Kennwerte f. rheologische Berechn.	Wert	Einheit	Prüfnorm
Ejection-Temperatur	136	°C	-

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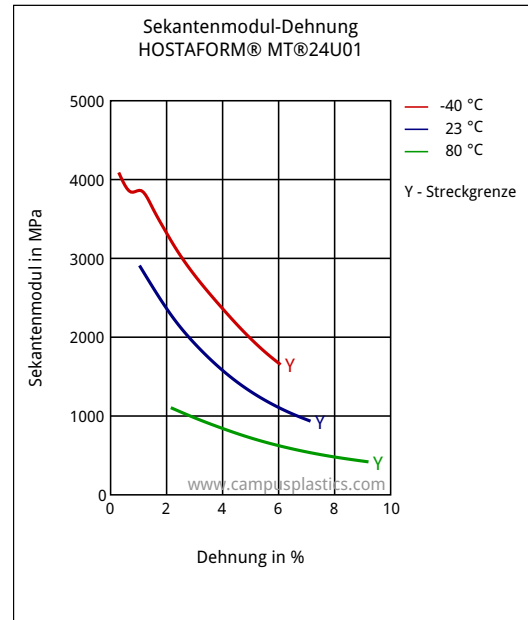
Celanese

Diagramme

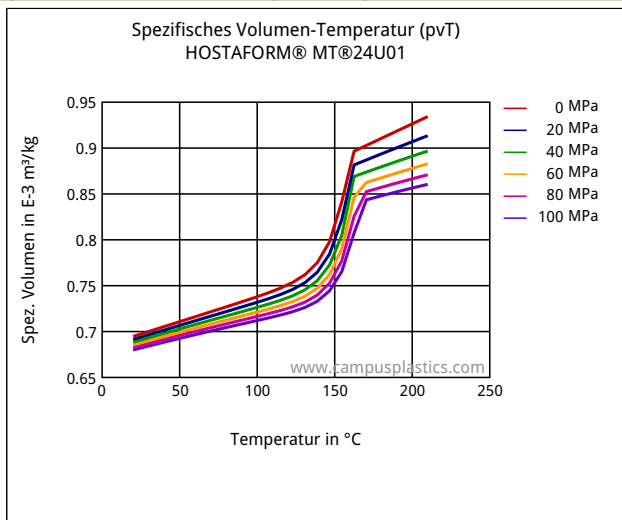
Spannung-Dehnung



Sekantenmodul-Dehnung



Spezifisches Volumen-Temperatur (pvT)



Merkmale

Verarbeitungsmethoden

Spritzgießen

Lieferformen

Granulat

Regionale Verfügbarkeit

Nordamerika, Europa, Asien/Pazifik, Süd und Zentral-Amerika

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. Other than those products expressly identified as

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