

CAMPUS® foglio dati

Delrin® 577 BK000 - POM-GF20

Delrin



Testo del prodotto

Common features of Delrin® acetal resins include mechanical and physical properties such as high mechanical strength and rigidity, excellent fatigue and impact resistance, as well as resistance to moisture, gasoline, lubricants, solvents, and many other neutral chemicals. Delrin® acetal resins also have excellent dimensional stability and good electrical insulating characteristics. They are naturally resilient, self-lubricating, and available in a variety of colors and speciality grades.

Delrin® acetal resin typically is used in demanding applications in the automotive, domestic appliances, sports, industrial engineering, electronics, and consumer goods industries.

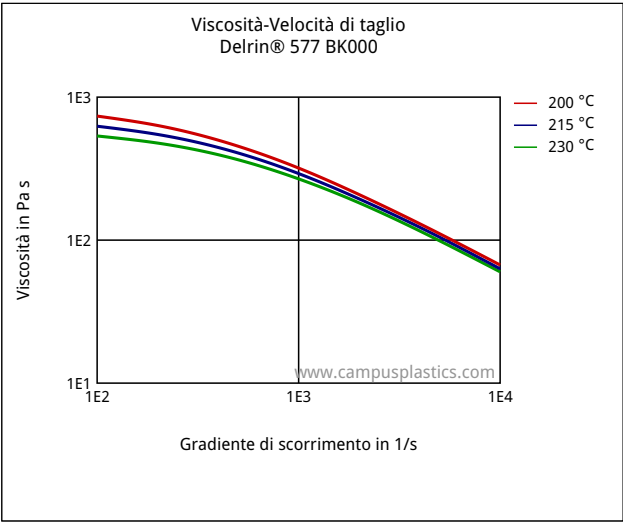
Delrin® 577 is a medium viscosity acetal homopolymer containing 20% glass fiber filler for injection molding. It has very high stiffness, low warpage, and good creep resistance for superior performance at elevated temperature. It contains carbon black for improved weathering.

Proprietà Reologiche	Valore	Unità	Norma del test
Indice di fusione di volume, MVR	7	cm³/10min	ISO 1133
Temperatura	190	°C	ISO 1133
Carico	2.16	kg	ISO 1133
Ritiro di stampaggio, parallelo	1.7	%	ISO 294-4, 2577
Ritiro di stampaggio, perpendicolare	1.1	%	ISO 294-4, 2577
Proprietà Meccaniche	Valore	Unità	Norma del test
Modulo a trazione	4800	MPa	ISO 527-1/-2
Carico unitario a rottura	52	MPa	ISO 527-1/-2
Deformazione a rottura	10	%	ISO 527-1/-2
Resist. urto Charpy con intaglio, +23°C	3	kJ/m²	ISO 179/1eA
Resist. urto Charpy con intaglio, -30°C	3	kJ/m²	ISO 179/1eA
Proprietà Termiche	Valore	Unità	Norma del test
Temperatura di fusione, 10°C/min	178	°C	ISO 11357-1/-3
Temp.di inflessione sotto carico, 1.80 MPa	118	°C	ISO 75-1/-2
Temp.di inflessione sotto carico, 0.45 MPa	164	°C	ISO 75-1/-2
Coeff.di dilatazione termica lin., parallelo	56	E-6/K	ISO 11359-1/-2
Coeff.di dilatazione termica lin., perpend.	92	E-6/K	ISO 11359-1/-2
Reaz. al fuoco spess.nom. 1.5mm	HB	class	IEC 60695-11-10
Spessore provato	1.5	mm	IEC 60695-11-10
Yellow Card disponibile	Yes	-	-
Reazione al fuoco a spessore h	HB	class	IEC 60695-11-10
Spessore provato	3.0	mm	IEC 60695-11-10
Yellow Card disponibile	Yes	-	-
Altre Proprietà	Valore	Unità	Norma del test
Massa volumica	1560	kg/m³	ISO 1183

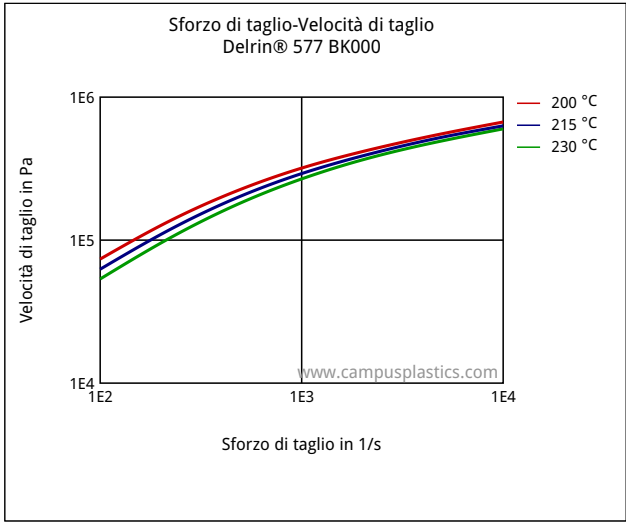
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Funzioni

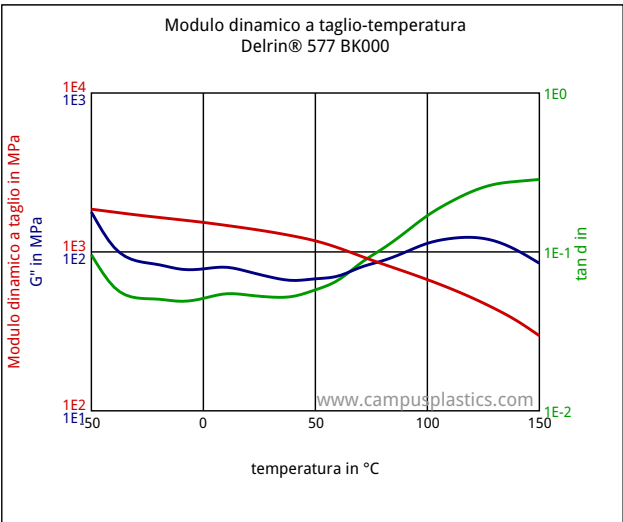
Viscosità-Velocità di taglio



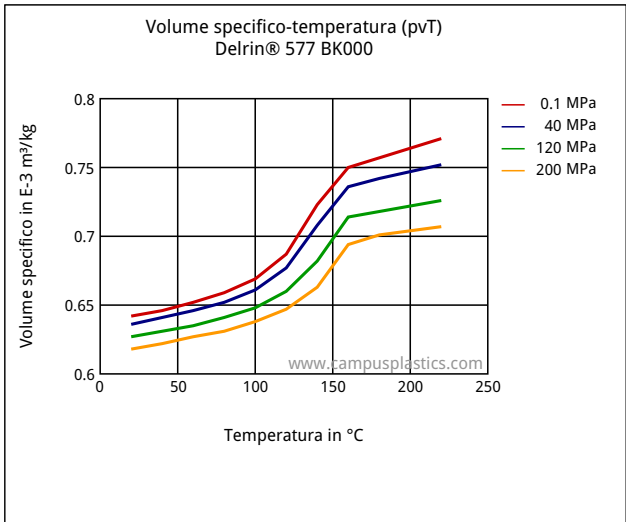
Sforzo di taglio-Velocità di taglio



Modulo dinamico a taglio-temperatura



Volume specifico-temperatura (pvT)



Caratteristiche

Processabilità e Forma di Forni

Stampaggio ad Iniezione

Forma fisica disponibile

Pellet

Additivi

Agente di distacco

Disponibilità geografica

Nord America, Europa, Asia Oceano Pacifico, South and Central America

Altre informazioni

Stampaggio ad Iniezione

Drying is recommended, but not necessary for newly opened packaging stored in a dry location.

Follow the drying guidelines above in the following cases:

- If moisture is above the Processing Moisture Content recommendation,

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- When a resin container is damaged,
- When the material is not properly stored in a dry place at room temperature, or
- When packaging stays open for a significant time.

The information provided in this data sheet corresponds to our knowledge on the subject at the date of its publication.

This information may be subject to revision as new knowledge and experience becomes available.

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Delrin advises you to seek independent counsel for a freedom to practice opinion on the intended application or end-use of our products.

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