

# CAMPUS® foglio dati

Ultramid® B3Z ST - PA6-I  
BASF

  
We create chemistry

## Testo del prodotto

High impact modified Polyamide 6 providing extremely high impact strength especially at low temperatures and in dry conditions. Ultramid® B3Z ST is used e.g. in co-extruded containers as barrier layer and to improve the mechanical properties of the container.

Proprietà Reologiche	secco/cond	Unità	Norma del test
Indice di fusione di volume, MVR	40 / *	cm <sup>3</sup> /10min	ISO 1133
Temperatura	275 / *	°C	ISO 1133
Carico	5 / *	kg	ISO 1133
Proprietà Meccaniche	secco/cond	Unità	Norma del test
Modulo a trazione	1700 / 440	MPa	ISO 527-1/-2
Carico unitario a trazione	46 / 23	MPa	ISO 527-1/-2
Deformazione a snervamento	4.3 / 23	%	ISO 527-1/-2
Deformazione nominale a rottura	>50 / -	%	ISO 527-1/-2
Resistenza all'urto Charpy, +23°C	N / N	kJ/m <sup>2</sup>	ISO 179/1eU
Resistenza all'urto Charpy, -30°C	N / N	kJ/m <sup>2</sup>	ISO 179/1eU
Resist. urto Charpy con intaglio, +23°C	70 / 120	kJ/m <sup>2</sup>	ISO 179/1eA
Resist. urto Charpy con intaglio, -30°C	35 / 30	kJ/m <sup>2</sup>	ISO 179/1eA
Proprietà Termiche	secco/cond	Unità	Norma del test
Temperatura di fusione, 10°C/min	220 / *	°C	ISO 11357-1/-3
Temp.di inflessione sotto carico, 1.80 MPa	55 / *	°C	ISO 75-1/-2
Temp.di inflessione sotto carico, 0.45 MPa	130 / *	°C	ISO 75-1/-2
Coeff.di dilatazione termica lin., parallelo	160 / *	E-6/K	ISO 11359-1/-2
Reazione al fuoco a spessore h	HB / *	class	IEC 60695-11-10
Spessore provato	0.8 / *	mm	IEC 60695-11-10
Proprietà Elettriche	secco/cond	Unità	Norma del test
Res. Alle correnti striscianti superficiali	550 / -	-	IEC 60112
Altre Proprietà	secco/cond	Unità	Norma del test
Assorbimento d'acqua	8 / *	%	Sim. alla ISO 62
Assorbimento d'umidità	2.5 / *	%	Sim. alla ISO 62
Massa volumica	1050 / -	kg/m <sup>3</sup>	ISO 1183
Proprietà Specifiche Materiale	secco/cond	Unità	Norma del test
Numero di viscosità	155 / *	cm <sup>3</sup> /g	ISO 307, 1157, 1628

## Caratteristiche

### Processabilità e Forma di Forni

Stampaggio ad Iniezione

### Disponibilità geografica

Europa

### Forma fisica disponibile

Pellet

## Altre informazioni

### Stampaggio ad Iniezione

PREPROCESSING

Pre/Post-processing, max. allowed water content: .15 %

Pre/Post-processing, Pre-drying, Temperature: 80 °C

Pre/Post-processing, Pre-drying, Time: 4 h

## **Ultramid® B3Z ST - PA6-I**

### **BASF**

#### PROCESSING

injection molding, Melt temperature, range: 250 - 270 °C  
injection molding, Melt temperature, recommended: 260 °C  
injection molding, Mold temperature, range: 40 - 60 °C  
injection molding, Mold temperature, recommended: 60 °C  
injection molding, Dwell time, thermoplastics: 10 min

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