CAMPUS® hoja de datos

Ultramid® B3Z ST - PA6-I
BASF

Texto del producto

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.

Propiedades reológicas	Seco / Cond	Unidades	Método de ensayo
Indice de fluidez volumétrico, MVR	**40 / ***	cm^3/10min	ISO 1133
Temperatura	**275 / ***	°C	ISO 1133
Carga	**5 / ***	kg	ISO 1133

Propiedades mecánicas	Seco / Cond	Unidades	Método de ensayo
Módulo de tracción	**1700 / 440**	MPa	ISO 527-1/-2
Esfuerzo de fluencia	**46 / 23**	MPa	ISO 527-1/-2
Alarg. en límite elástico	**4.3 / 23**	%	ISO 527-1/-2
Alarg. nominal a rotura	**>50 / >50**	%	ISO 527-1/-2
Resistencia al impacto Charpy, +23°C	**N / N**	kJ/m^2	ISO 179/1eU
Resistencia al impacto Charpy, -30°C	**N / N**	kJ/m^2	ISO 179/1eU
Res. impacto Charpy c/entalla, +23°C	**70 / 120**	kJ/m^2	ISO 179/1eA
Res. impacto Charpy c/entalla, -30°C	**35 / 30**	kJ/m^2	ISO 179/1eA

Propiedades térmicas	Seco / Cond	Unidades	Método de ensayo
Temperatura de fusión, 10°C/min	**220 / ***	°C	ISO 11357-1/-3
Estabilidad al calor, 1.80 MPa	**55 / ***	°C	ISO 75-1/-2
Coef.de expansión térmica lineal, paralelo	**172 / ***	E-6/K	ISO 11359-1/-2
Combustibilidad a espesor h	**HB / ***	class	IEC 60695-11-10
Espesores de probeta	**0.8 / ***	mm	IEC 60695-11-10

Otras propiedades	Seco / Cond	Unidades	Método de ensayo
Densidad	**1050 / -**	kg/m^3	ISO 1183

Propiedades específicas del material	Seco / Cond	Unidades	Método de ensayo
Indice de viscosidad	**155 / ***	cm^3/g	ISO 307, 1157, 1628

Caracterúticas

Procesamiento y forma de entrega
Moldeo por inyección

Disponibilidad regional
Europa

Forma de suministro
Sémola

Demás información

Moldeo por inyección
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

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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