+135-3858-6433 (GuangDong)
+188-1699-6168 (ShangHai)
+852-6957-5415 (HongKong)

TECHNYL® SHAPE
For extrusion & blow molding

DOMO
caring is our formula

TECHNICAL DATA SHEET

TECHNYL SHAPE A 548B2 V15 BK 23N

(Previously TECHNYL A 548B2 V15 BLACK 23N)

TECHNYL SHAPE A 548B2 V15 BK 23N is a polyamide 6.6, reinforced with 15% of glass fibre, heat stabilized, impact modified, for blow moulding. This grade offers an excellent long term Heat resistance and is suitable to work in environments characterized by a very high temperature. It has been also specially designed to be perfectly suitable for blow moulding processing.

General

Feature	Heat-aging stabilized High melt strength	High viscosity
Polymer type	PA66 (Polyamide 66)	
Processing technology	Blow molding	
Certification	RoHS	EC 1907/2006 (REACH)
Applications	Automotive Applications	
Colors available	Black	
Forms	Pellets	

Product identification

ISO 1043 abbreviation	PA66-GF15

	Condition	Standard	Unit	Value
Physical properties				
Density		ISO 1183	g/cm³	1.2
Molding shrinkage, parallel		ISO 294-4, 2577	%	0.35
Molding shrinkage, normal		ISO 294-4, 2577	%	1
Mechanical properties				**dam / cond.***
Tensile modulus	1 mm/min	ISO 527-1/-2	MPa	4900 / 3000
Stress at break		ISO 527-1/-2	MPa	90 / 57
Strain at break		ISO 527-1/-2	%	4.7 / 8.8
Flexural modulus, ISO 178	2 mm/min	ISO 178	MPa	4500 / -
Flexural strength, ISO 178	2 mm/min	ISO 178	MPa	145 / -
Charpy impact strength, +23°C	+23°C	ISO 179/1eU	kJ/m²	65 / 79
Charpy notched impact strength, +23°C	+23°C	ISO 179/1eA	kJ/m²	14 / -

+135-3858-6433 (GuangDong)
+188-1699-6168 (ShangHai)
+852-6957-5415 (HongKong)

TECHNYL® SHAPE
For extrusion & blow molding

DOMO
caring is our formula

TECHNICAL DATA SHEET **TECHNYL SHAPE A 548B2 V15 BK 23N**

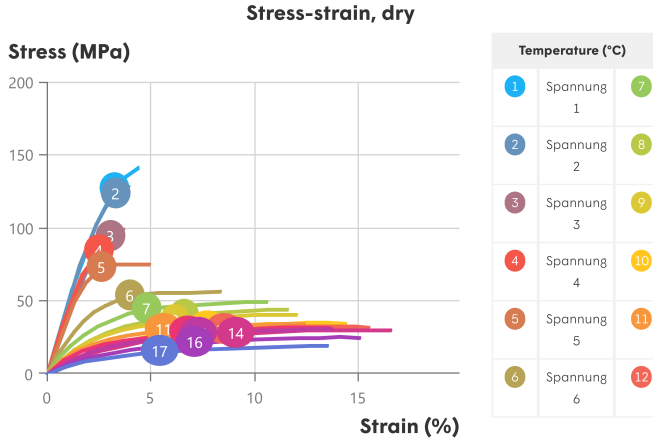
Thermal properties

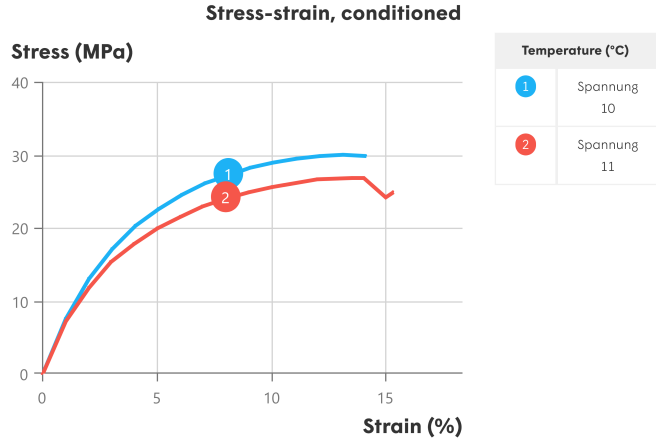
	Condition	Standard	Unit	Value
Melting temperature, 10°C/min		ISO 11357-1	°C	260
Temp. of deflection under load, 1.80 MPa	1.80 MPa	ISO 75	°C	210

**: conditioned according to ISO 1110*

Processing conditions

Drying temperature/time	8H at 80°C with dry air, dew point -35°C
Suggested max moisture	0.08 %
Feed zone temperature for blow-molding	260 - 280 °C
Screw temperature for blow-molding	270 - 290 °C
Adapter temperature for blow-molding	275 - 295 °C
Head temperature for blow-molding	280 - 300 °C
Die temperature for blow-molding	280 - 300 °C
Mold temperature for blow molding	70 - 90 °C
Recommended blow-molding temperature	250 - 290 °C





Disclaimer

The information provided in this documentation corresponds to our technical knowledge at the date of its publication and do not constitute a specification. This information may be subject to revision at our discretion. Domo cannot anticipate all conditions under which this information and our products of other manufactures in combination with our products may be used. Domo accepts no responsibility for results obtained by the application of this information or for the safety and suitability of our products alone or in combination with other products. Users are advised to make their own tests to determine the safety and suitability of each product or product combination for their own purposes. Unless otherwise agreed in writing, Domo sells the product without warranties. Buyers and users assume all responsibility and liability for loss or damage arising from handling and use of our products, whether used alone or in combination with other products. Unless specifically indicated, the grades mentioned are not suitable for applications in the pharmaceutical/medical sector.