

TECHNYL® SHAPE A 548B2 V15 BK 23N

DOMO Engineering Plastics - Polyamide 66

General Information

Product Description

*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

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Filler / Reinforcement	• Glass Fiber, 15% Filler by Weight		
Additive	• Heat Stabilizer		
Features	• Heat Aging Resistant • Heat Stabilized	• High Melt Strength • High Viscosity	
Uses	• Automotive Applications		
Agency Ratings	• EC 1907/2006 (REACH)		
RoHS Compliance	• RoHS Compliant		
Processing Method	• Blow Molding		
Resin ID (ISO 1043)	• PA66-GF15		

Properties ¹

Physical	Dry	Conditioned	Unit	Test Method
Density	1.20	--	g/cm ³	ISO 1183
Molding Shrinkage				ISO 294-4
Across Flow	1.0	--	%	
Flow	0.35	--	%	
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	711000	435000	psi	ISO 527-1
Tensile Stress (Break)	13100	8270	psi	ISO 527-2
Tensile Strain (Break)	4.7	8.8	%	ISO 527-2
Flexural Modulus	653000	--	psi	ISO 178
Flexural Stress	21000	--	psi	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (73°F)	6.7	--	ft·lb/in ²	ISO 179/1eA
Charpy Unnotched Impact Strength (73°F)	31	38	ft·lb/in ²	ISO 179/1eU
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	410	--	°F	ISO 75-2/A
Melting Temperature ²	500	--	°F	ISO 11357-3
Flammability	Dry	Conditioned	Unit	Test Method
Burning Rate (0.0394 in)	< 3.9	--	in/min	FMVSS 302
Additional Information	Dry	Conditioned	Unit	Test Method
Blow Molding Adapter Temperature	527 to 563	--	°F	
Blow Molding Barrel Temperature - Feed zone	500 to 536	--	°F	
Blow Molding Die Temperature	536 to 572	--	°F	
Blow Molding Head Temperature	536 to 572	--	°F	
Blow Molding Melt Temperature	482 to 554	--	°F	
Blow Molding Mold Temperature	158 to 194	--	°F	
Blow Molding Screw Temperature	518 to 554	--	°F	



Processing Information	
Injection	Dry Unit
Drying Temperature	176 °F
Drying Time	8.0 hr
Dew Point	-31 °F
Suggested Max Moisture	0.080 %

Notes

¹ Typical properties: these are not to be construed as specifications.

² 10°C/min

