

TECHNYL® AC 216 BK XB

DOMO Engineering Plastics - *Polyamide 66 + PA 6*

General Information

Product Description

TECHNYL AC 216 BK XB is an unfilled blend polyamide 66 and 6, for injection moulding.
This grade offers an improved surface finished.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Good Surface Finish		
Uses	• Appliances	• Consumer Applications	• Industrial Applications
Agency Ratings	• EC 1907/2006 (REACH)		
RoHS Compliance	• RoHS Compliant		
Processing Method	• Injection Molding		
ISO Designation (ISO 16396)	• PA66+PA6,M,S14-030		
Resin ID (ISO 1043)	• PA66+PA6		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.14	g/cm ³	ISO 1183
Water Absorption (24 hr, 73°F)	1.6	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	508000	psi	ISO 527-1
Tensile Strain (Break)	75	%	ISO 527-2
Flexural Modulus	392000	psi	ISO 178
Flexural Stress	16000	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	1.9	ft·lb/in ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	392	°F	ISO 75-2/B
Deflection Temperature Under Load (264 psi, Unannealed)	140	°F	ISO 75-2/A
Melting Temperature ²	495	°F	ISO 11357-3
Flammability	Nominal Value	Unit	Test Method
Burning Rate (0.0394 in)	< 3.9	in/min	FMVSS 302

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	167 to 185	°F
Drying Time	2.0 to 4.0	hr
Dew Point	< -22	°F
Suggested Max Moisture	0.20	%
Rear Temperature	500 to 518	°F
Middle Temperature	509 to 527	°F
Front Temperature	509 to 527	°F
Mold Temperature	140 to 176	°F

Injection Notes

The material is supplied in airtight bags, ready for use. In case that the virgin material has absorbed moisture, it must be dried with a dehumidified air drying equipment, dew point minimum -20°C. Recommended time 2-4h.

