

TECHNYL® C 536XT NATURAL

Polyamide 6
Solvay Engineering Plastics

Message:

TECHNYL® C 536XT Natural is an unreinforced polyamide 6, high viscosity, for extrusion blow-moulding. This product is available in natural color.

General Information				
Features		Ultra high toughness		
		Impact resistance, high		
		Workability, good		
		Low temperature impact resistance		
		Fuel resistance		
		Oil resistance		
		Viscosity, High		
Uses		Piping system		
		Water tank		
Agency Ratings		UU 453/2010/EC		
RoHS Compliance		RoHS compliance		
Appearance		Natural color		
Processing Method		Extrusion blow molding		
Part Marking Code (ISO 11469)		>PA6		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.09	--	g/cm ³	ISO 1183/A
Molding Shrinkage				Internal method
Vertical flow direction	2.1	--	%	Internal method
Flow direction	2.1	--	%	Internal method
Water Absorption (23°C, 24 hr)	1.3	--	%	ISO 62
Molding Shrinkage Isotropy	1.00	--		Internal method
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	2200	910	MPa	ISO 527-2/1A
Tensile Stress				ISO 527-2/1A
Yield	54.0	--	MPa	ISO 527-2/1A
Fracture	47.0	42.0	MPa	ISO 527-2/1A
Tensile Strain				ISO 527-2/1A
Yield	4.0	--	%	ISO 527-2/1A
Fracture	55	190	%	ISO 527-2/1A
Flexural Modulus	1950	650	MPa	ISO 178

Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
-30°C	16	--	kJ/m ²	ISO 179/1eA
23°C	76	--	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	No Break	--		ISO 179/1eU
Notched Izod Impact (23°C)	66 kJ/m ²	No Break		ISO 180/1A
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	56.0	--	°C	ISO 75-2/Af
Melting Temperature	220	--	°C	ISO 11357-3
Extrusion	Dry	Unit		
Drying Temperature	80.0		°C	
Drying Time	8.0		hr	
Suggested Max Moisture	0.080		%	
Cylinder Zone 1 Temp.	200 - 220		°C	
Cylinder Zone 3 Temp.	210 - 230		°C	
Adapter Temperature	210 - 230		°C	
Die Temperature	215 - 230		°C	
Extrusion instructions				

Head Temperature: 220 to 230°C Blow Molding Mold Temperature: 40 to 60°C

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

