

TECHNYL® A 402 NATURAL FA

Polyamide 66
Solvay Engineering Plastics

Message:
Unreinforced polyamide PA66, very high viscosity, for extrusion.

General Information				
Features	Rigid, good			
	Very high viscosity			
	Impact resistance, high			
	Compliance of Food Exposure			
Uses	Packaging			
	Films			
	Non-specific food applications			
	Profile			
Appearance	Natural color			
Processing Method	Extrusion			
Part Marking Code (ISO 11469)	>PA66			
Physical	Dry	Conditioned	Unit	Test Method
Density	1.14	--	g/cm ³	ISO 1183/A
Molding Shrinkage				Internal method
Vertical flow direction	1.9	--	%	Internal method
Flow direction	1.9	--	%	Internal method
Water Absorption (23°C, 24 hr)	1.5	--	%	ISO 62
Molding Shrinkage Isotropy	1.00	--		Internal method
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	3100	1300	MPa	ISO 527-2/1A
Tensile Stress				ISO 527-2/1A
Yield	80.0	60.0	MPa	ISO 527-2/1A
Fracture	60.0	--	MPa	ISO 527-2/1A
Tensile Strain				ISO 527-2/1A
Yield	8.0	30	%	ISO 527-2/1A
Fracture	60	250	%	ISO 527-2/1A
Flexural Modulus	2800	1300	MPa	ISO 178
Flexural Stress	120	75.0	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method

Charpy Notched Impact Strength	7.0	30	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength	No Break	No Break		ISO 179/1eU
Notched Izod Impact	6.0	35	kJ/m ²	ISO 180/1A
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	75.0	--	°C	ISO 75-2/Af
Melting Temperature	263	--	°C	ISO 11357-3
CLTE - Transverse (23 to 85°C)	7.0E-5	--	cm/cm/°C	ISO 11359-2
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	1.0E+13	1.0E+12	ohms	IEC 60093
Volume Resistivity	1.0E+15	1.0E+12	ohms·cm	IEC 60093
Dielectric Strength	27	26	kV/mm	IEC 60243-1
Dissipation Factor	0.020	0.10		IEC 60250
Comparative Tracking Index (Solution A)	600	600	V	IEC 60112
Flammability	Dry	Conditioned	Unit	Test Method
Oxygen Index	27	--	%	ISO 4589-2
Extrusion	Dry	Unit		
Drying Temperature	80.0		°C	
Suggested Max Moisture	0.10		%	
Cylinder Zone 1 Temp.	240 - 250		°C	
Cylinder Zone 3 Temp.	240 - 260		°C	
Cylinder Zone 5 Temp.	240 - 260		°C	
Extrusion instructions				

Draw-plate temperature: 260 to 270°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

