

TECHNYL® A 216 S30 NATURAL

Polyamide 66
Solvay Engineering Plastics

Message:
Polyamide 66, reinforced with 30% of glass spheres, for injection moulding.

General Information				
Filler / Reinforcement		Glass Bead,30% Filler by Weight		
Features		Good Surface Finish		
		Low Warpage		
Appearance		Black		
		Colors Available		
		Grey		
		Natural Color		
		Red		
		White		
Processing Method		Injection Molding		
Multi-Point Data		Isothermal Stress vs. Strain (ISO 11403-1)		
		Secant Modulus vs. Strain (ISO 11403-1)		
Part Marking Code (ISO 11469)		>PA66-GB30<		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.37	--	g/cm ³	ISO 1183/A
Molding Shrinkage				Internal Method
Across Flow	1.6	--	%	
Flow	1.6	--	%	
Water Absorption (23°C, 24 hr)	0.75	--	%	ISO 62
Molding Shrinkage Isotropy	1.00	--		Internal Method
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	4500	--	MPa	ISO 527-2/1A
Tensile Stress				ISO 527-2/1A
Yield	80.0	--	MPa	
Break	80.0	--	MPa	
Tensile Strain				ISO 527-2/1A
Yield	4.0	--	%	
Break	9.0	--	%	
Flexural Modulus	3850	--	MPa	ISO 178

Flexural Stress	135	--	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength	3.5	--	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength	20	--	kJ/m ²	ISO 179/1eU
Notched Izod Impact Strength	2.5	--	kJ/m ²	ISO 180/1A
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	95.0	--	°C	ISO 75-2/Af
Melting Temperature	263	--	°C	ISO 11357-3
CLTE - Transverse (23 to 85°C)	6.0E-5	--	cm/cm/°C	ISO 11359-2
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	5.0E+14	5.0E+11	ohms	IEC 60093
Volume Resistivity	5.0E+14	1.0E+14	ohms·cm	IEC 60093
Electric Strength	30	26	kV/mm	IEC 60243-1
Dissipation Factor	0.020	0.11		IEC 60250
Comparative Tracking Index (Solution A)	600	500	V	IEC 60112
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating (1.60 mm)	HB	--		UL 94
Injection	Dry	Unit		
Drying Temperature	80.0		°C	
Suggested Max Moisture	0.20		%	
Rear Temperature	260 to 270		°C	
Middle Temperature	270 to 280		°C	
Front Temperature	280 to 290		°C	
Mold Temperature	60.0 to 80.0		°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



WECHAT