TECHNYL® A 216 V30 NATURAL FA

Polyamide 66

Solvay Engineering Plastics

Message:

Polyamide PA66 , reinforced with 30% of glass fibre and modified for enhanced injection moulding.

General Information				
Filler / Reinforcement	Glass Fiber,30% Filler by Weight			
Features	Food Contact Acceptable			
Appearance	Natural Color			
Processing Method	Injection Molding			
Part Marking Code (ISO 11469)	>PA66-GF30<			
Physical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Density	1.37	--	g/cm³	ISO 1183/A
Molding Shrinkage				Internal Method
Across Flow	0.80	--	%	
Flow	0.50	--	%	
Water Absorption (23°C, 24 hr)	0.80	--	%	ISO 62
Molding Shrinkage Isotropy	0.620	--		Internal Method
Mechanical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Tensile Modulus	10000	7500	MPa	ISO 527-2/1A
Tensile Stress (Break)	190	135	MPa	ISO 527-2/1A
Tensile Strain (Break)	3.0	4.0	%	ISO 527-2/1A
Impact	**Dry**	**Conditioned**	**Unit**	**Test Method**
Charpy Notched Impact Strength	12	16	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength	80	95	kJ/m²	ISO 179/1eU
Notched Izod Impact Strength	11	16	kJ/m²	ISO 180/1A
Thermal	**Dry**	**Conditioned**	**Unit**	**Test Method**
Heat Deflection Temperature (1.8 MPa, Unannealed)	255	--	°C	ISO 75-2/Af
Melting Temperature	263	--	°C	ISO 11357-3
CLTE - Transverse (23 to 85°C)	2.5E-5	--	cm/cm/°C	ISO 11359-2
Electrical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Surface Resistivity	6.0E+14	1.0E+12	ohms	IEC 60093
Volume Resistivity	1.0E+15	2.0E+13	ohms·cm	IEC 60093
Electric Strength	40	30	kV/mm	IEC 60243-1

Relative Permittivity	375	4.00		IEC 60250
Dissipation Factor	0.010	0.11		IEC 60250
Comparative Tracking Index				IEC 60112
Solution A	600	600	V	
Solution B	500	500	V	
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	

Recommended distributors for this material

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