TECHNYL® B 216 V30 NATURAL

Polyamide 66/6 Copolymer

Solvay Engineering Plastics

Message:

Copolyamide 66/6, reinforced with 30% of glass fibre, for injection moulding.

General Information	
UL YellowCard	E44716-235607
Filler / Reinforcement	Glass Fiber,30% Filler by Weight
Uses	Automotive Applications
Appearance	Black
Processing Method	Injection Molding
Multi-Point Data	Isothermal Stress vs. Strain (ISO 11403-1) Secant Modulus vs. Strain (ISO 11403-1) Viscosity vs. Shear Rate (ISO 11403-2)
Part Marking Code (ISO 11469)	>PA66/6-GF30<

Physical	Dry	Conditioned	Unit	Test Method
Density	1.37	--	g/cm³	ISO 1183/A
Water Absorption (23°C, 24 hr)	0.95	--	%	ISO 62
Mechanical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Tensile Modulus	9800	6500	MPa	ISO 527-2/1A
Tensile Stress				ISO 527-2/1A
Yield	185	115	MPa	
Break	185	115	MPa	
Tensile Strain				ISO 527-2/1A
Yield	3.0	6.0	%	
Break	3.0	8.0	%	
Flexural Modulus	8300	4700	MPa	ISO 178
Impact	**Dry**	**Conditioned**	**Unit**	**Test Method**
Charpy Notched Impact Strength	11	16	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength	80	92	kJ/m²	ISO 179/1eU
Notched Izod Impact Strength	11	19	kJ/m²	ISO 180/1A
Thermal	**Dry**	**Conditioned**	**Unit**	**Test Method**
Melting Temperature	242	--	°C	ISO 11357-3
Electrical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Surface Resistivity	6.0E+14	1.0E+13	ohms	IEC 60093

Volume Resistivity	1.0E+15	1.0E+13	ohms·cm	IEC 60093
Electric Strength	30	26	kV/mm	IEC 60243-1
Relative Permittivity	3.00	4.00		IEC 60250
Dissipation Factor	0.020	0.10		IEC 60250
Comparative Tracking Index				IEC 60112
Solution A	550	475	V	
Solution B	500	--	V	
Flammability	Dry	Conditioned	Unit	Test Method
Oxygen Index	23	--	%	ISO 4589-2
Injection	Dry	Unit		
Drying Temperature	80.0		°C	
Suggested Max Moisture	0.20		%	
Rear Temperature	250 to 260		°C	
Middle Temperature	260 to 270		°C	
Front Temperature	270 to 280		°C	
Mold Temperature	60.0 to 80.0		°C	

Recommended distributors for this material

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