

TECHNYL® B 218 BLACK 21 N

Polyamide 66/6 Copolymer
Solvay Engineering Plastics

Message:

Unreinforced copolyamide PA 66/6, heat stabilized, medium viscosity, for injection moulding.

General Information				
Additive	Heat Stabilizer			
Features	Heat Stabilized			
	High Heat Resistance			
	Medium Viscosity			
Uses	Automotive Applications			
	Connectors			
	Electrical/Electronic Applications			
	Housings			
	Reflectors			
Appearance	Black			
	Grey			
	Natural Color			
Processing Method	Injection Molding			
Part Marking Code (ISO 11469)	>PA66/6<			
Physical	Dry	Conditioned	Unit	Test Method
Density	1.14	--	g/cm ³	ISO 1183/A
Molding Shrinkage				Internal Method
Across Flow	1.4	--	%	
Flow	1.4	--	%	
Water Absorption (23°C, 24 hr)	1.6	--	%	ISO 62
Molding Shrinkage Isotropy	1.00	--		Internal Method
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	3000	1100	MPa	ISO 527-2/1A
Tensile Stress				ISO 527-2/1A
Yield	95.0	50.0	MPa	
Break	75.0	60.0	MPa	
Tensile Strain				ISO 527-2/1A
Yield	5.0	25	%	
Break	30	400	%	

Flexural Modulus	3000	1200	MPa	ISO 178
Flexural Stress	125	50.0	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength	5.0	16	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength	No Break	No Break		ISO 179/1eU
Notched Izod Impact Strength	5.0	16	kJ/m ²	ISO 180/1A
Thermal	Dry	Conditioned	Unit	Test Method
Melting Temperature	242	--	°C	ISO 11357-3
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	1.0E+14	1.0E+12	ohms	IEC 60093
Volume Resistivity	1.0E+15	1.0E+13	ohms·cm	IEC 60093
Electric Strength	25	24	kV/mm	IEC 60243-1
Dissipation Factor	0.030	0.10		IEC 60250
Comparative Tracking Index				IEC 60112
Solution A	525	600	V	
Solution B	425	--	V	
Flammability	Dry	Conditioned	Unit	Test Method
Glow Wire Flammability Index	650	--	°C	IEC 60695-2-12
Oxygen Index	23	--	%	ISO 4589-2
Injection	Dry	Unit		
Drying Temperature	80.0		°C	
Suggested Max Moisture	0.20		%	
Rear Temperature	240 to 250		°C	
Middle Temperature	250 to 260		°C	
Front Temperature	260 to 270		°C	
Mold Temperature	60.0 to 80.0		°C	

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