Slique™ 1850W61 Bk-1

Polyamide 6

Technical Polymers, LLC

Message:

PA6, 40% Glass Reinforced, Friction/Wear Modified, Black

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 40% filler by weight		
Additive	Lubricant		
Features	Good wear resistance		
Appearance	Black		
Forms	Particle		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.62	g/cm³	ASTM D792
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Yield, 23°C)	138	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	1.0 - 3.0	%	ASTM D638
Flexural Modulus (23°C)	11700	MPa	ASTM D790
Flexural Strength (Yield, 23°C)	228	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact			
23°C	110	J/m	ASTM D256
23°C	4.2	kJ/m²	ISO 180
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	213	°C	ASTM D648
1.8 MPa, not annealed	204	°C	ASTM D648
Peak Melting Temperature	220	°C	ASTM D3418
Electrical	**Nominal Value**	**Unit**	**Test Method**
Volume Resistivity	< 1.0E+14	ohms·cm	ASTM D257
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating	HB		UL 94
Injection	**Nominal Value**	**Unit**	
Drying Temperature	73.9 - 79.4	°C	
Drying Time	3.0 - 4.0	hr	
Processing (Melt) Temp	260 - 288	°C	
Mold Temperature	65.6 - 98.9	°C	
Injection instructions			

Can be over-dried. Do not exceed 180 - 200 F for more than 3 hours. Typical drying time assumes unopened packaging and utilization of a dehumidifying dryer with a dewpoint of -40° and appropriate airflow.

Recommended distributors for this material

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