

# VENYL ST128 - 8689

Polyamide 6

AD majoris

## Message:

VENYL ST128 - 8689 is a polyamide 6 with 15 % mineral, impact modified, black, intended for Injection moulding.

### APPLICATIONS

VENYL ST128 - 8689 has been developed especially for very demanding applications in automotive industry and electrical parts.

VENYL ST128 - 8689 is available in other colours, provided on request.

General Information			
Filler / Reinforcement	Mineral,15% Filler by Weight		
Additive	Impact Modifier		
Features	Impact Modified		
	Recyclable Material		
Uses	Automotive Applications		
	Electrical Parts		
Appearance	Black		
	Colors Available		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.08	g/cm <sup>3</sup>	ISO 1183
Molding Shrinkage	0.80 to 1.2	%	
Water Absorption (Equilibrium, 23°C, 50% RH)	1.9	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3230	MPa	ISO 527-2
Tensile Stress (Break)	55.0	MPa	ISO 527-2
Flexural Modulus	3100	MPa	ISO 178
Flexural Stress	79.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	9.0	kJ/m <sup>2</sup>	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	60.0	°C	ISO 75-2/A
Melting Temperature (DSC)	220	°C	ISO 3146
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+13	ohms	DIN 53482
Volume Resistivity	1.0E+14	ohms · cm	DIN 53482

Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	HB		UL 94

Injection	Nominal Value	Unit
Drying Temperature	80.0	°C
Drying Time	4.0	hr
Rear Temperature	265 to 280	°C
Middle Temperature	255 to 270	°C
Front Temperature	255 to 270	°C
Nozzle Temperature	240 to 275	°C
Mold Temperature	60.0 to 100	°C
Injection Pressure	60.0 to 90.0	MPa
Injection Rate	Fast	
Holding Pressure	50.0 to 70.0	MPa
Screw L/D Ratio	15.0:1.0 to 20.0:1.0	

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

