

# VENYL SW550

Polyamide 6

AD majoris

Message:

VENYL SW550 is a greyish black, mineral filled magnetized polyamide 6 compound intended for injection moulding.

The product is only available in naturally greyish black.

APPLICATIONS

VENYL SW550 has been developed for magnetic applications provide adherence to magnetized steel and can be used for magnetic signal systems. Low shrinkage & warpage.

General Information			
Filler / Reinforcement	Mineral		
Features	Low Shrinkage		
	Low Warpage		
	Magnetizable		
	Recyclable Material		
Appearance	Dark Grey		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.85	g/cm <sup>3</sup>	ISO 1183
Molding Shrinkage (2.00 mm)	0.52	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	6330	MPa	ISO 527-2
Tensile Stress (Break)	55.0	MPa	ISO 527-2
Tensile Strain (Break)	2.2	%	ISO 527-2
Flexural Modulus	7030	MPa	ISO 178
Flexural Stress	106	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	4.5	kJ/m <sup>2</sup>	ISO 179
Charpy Unnotched Impact Strength	26	kJ/m <sup>2</sup>	ISO 179
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	

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Recommended distributors for this material


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