

PULSE™ 979

PC/ABS Engineering Resin

Trinseo

Message:

PULSE™ 979 is a high performance, 10% glass filled PC/ABS resin. The high stiffness and easy processability makes PULSE 979 ideal for complicated parts which require a high dimensional stability. Typical applications are automotive instrument panels.

General Information			
Filler / Reinforcement	Glass Fiber,10% Filler by Weight		
Features	Good Dimensional Stability		
	Good Processability		
	High Stiffness		
Uses	Automotive Applications		
	Automotive Instrument Panel		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	1.18	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (260°C/5.0 kg)	10	g/10 min	ISO 1133
Mold Shrinkage	0.30 to 0.50	%	DIN 53752
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4500	MPa	ISO 527-2/1
Tensile Stress (Yield)	76.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	3.0	%	ISO 527-2/50
Flexural Modulus ¹	4100	MPa	ISO 178
Flexural Stress ²	120	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-40°C	5.0	kJ/m ²	
0°C	7.0	kJ/m ²	
23°C	9.0	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179
-40°C	30	kJ/m ²	
23°C	30	kJ/m ²	
Notched Izod Impact Strength (23°C)	12	kJ/m ²	ISO 180/4A
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	133	°C	ISO 306/B50
CLTE - Flow (0 to 80°C)	5.0E-5	cm/cm/°C	ASTM D696
Injection	Nominal Value	Unit	

Processing (Melt) Temp	260 to 290	°C
Mold Temperature	70.0 to 90.0	°C
NOTE		
1.	2.0 mm/min	
2.	2.0 mm/min	

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