PULSE™ 979
PC/ABS Engineering Resin

Overview

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.

Physical	Nominal Value	(English)	Nominal Value	(SI)	Test Method
Density	1.18	g/cm³	1.18	g/cm³	ISO 1183/B
Apparent (Bulk) Density	0.68	g/cm³	0.68	g/cm³	ISO 60
Melt Mass-Flow Rate (MFR) (260°C/5.0 kg)	10	g/10 min	10	g/10 min	ISO 1133
Molding Shrinkage	3.0E-3 to 5.0E-3	in/in	0.30 to 0.50	%	ISO 294-4
VOC Content	9.00	µg/g	9.00	µg/g	VDA 277
Mechanical	**Nominal Value**	**(English)**	**Nominal Value**	**(SI)**	**Test Method**
Tensile Modulus	653000	psi	4500	MPa	ISO 527-2/1
Tensile Stress (Yield)	11000	psi	76.0	MPa	ISO 527-2/50
Tensile Strain (Yield)	3.0	%	3.0	%	ISO 527-2/50
Flexural Modulus [1]	595000	psi	4100	MPa	ISO 178
Impact	**Nominal Value**	**(English)**	**Nominal Value**	**(SI)**	**Test Method**
Charpy Notched Impact Strength					ISO 179/1eA
-22°F (-30°C)	2.9	ft·lb/in²	6.0	kJ/m²	
73°F (23°C)	4.3	ft·lb/in²	9.0	kJ/m²	
Thermal	**Nominal Value**	**(English)**	**Nominal Value**	**(SI)**	**Test Method**
Vicat Softening Temperature	271	°F	133	°C	ISO 306/B50
CLTE - Flow (-22 to 176°F (-30 to 80°C))	2.7E-5	in/in/°F	4.9E-5	cm/cm/°C	ISO 11359-2

Injection	Nominal Value	(English)	Nominal Value	(SI)
Drying Temperature	221	°F	105	°C
Drying Time	4.0	hr	4.0	hr
Processing (Melt) Temp	500 to 554	°F	260 to 290	°C
Mold Temperature	158 to 194	°F	70 to 90	°C

Notes

These are typical properties only and are not to be construed as specifications. Users should confirm results by their own tests.

[1] 0.079 in/min (2.0 mm/min)

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