



VinPol™ PC020

Polycarbonate

Melt Flow: 2

Specific Gravity: 1.20

VINPOL PC020 is a polycarbonate resin offering high low-temperature impact strength combined with excellent mechanical properties, dimensional stability, good flow-ability, electrical properties and weather resistance. This grade is designed for compounding applications.

Resin Property	Typical Value	Units	Test Method
Melt Flow, 1.2kgf @ 300°C	2	g/10 min	ASTM D-1238
Specific Gravity	1.20		ASTM D-792
Mold Shrinkage, 3 mm	0.5-0.7	%	ASTM D-955
Water Absorption, 24 hrs @ 23°C	0.15	%	ASTM D-570
Tensile Strength, yld	10,400 (71.6)	psi (MPa)	ASTM D-638
Tensile Elongation, brk	150	%	ASTM D-638
Flexural Strength, yld	12,900 (89)	psi (MPa)	ASTM D-790
Flexural Modulus	324,000 (2,240)	psi (MPa)	ASTM D-790
Izod Impact, notched, 23°C, 1/8"	100 (980)	kgf-cm/cm (J/m)	ASTM D-256
HDT, 18.6 kgf/cm ²	135	°C	ASTM D-648
Coefficient of Linear Thermal Expansion	5~7E-05	mm/mm/°C	ASTM D-696
Volume Resistivity	4E16	Ohm-cm	ASTM D257
Dielectric Strength	30	kV/mm	ASTM D-149
ARC Resistance	120	Sec	ASTM D-495
Flammability, 1/16" thickness	V-2		UL 94

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