

## PC-ABSCOM™ B200

Polycarbonate + Acrylonitrile Butadiene Styrene

PC-ABSCOM B200 is a PC/ABS alloy with superior heat distortion and impact properties. Typical applications include automotive interior and medical housings. Nissan NES approved.

Physical Properties	Typical Value	Unit	Test Method based on
Density	1150	Kg/m <sup>3</sup>	ISO 1183
Water absorption (23°C, sat)	0.7	%	ISO 62
Moisture absorption (23°C, 50% RH)	0.22	%	ISO 62
Mould shrinkage	0.4-0.7	%	ISO 294
Melt Flow (260°C / 5kg)	15	g/10 min	ISO 1133
Flammability (1.5mm)	HB		UL94
Flammability (0.8mm)	HB		UL94
Other characteristics:	FDA approved (base resin), NES approved		

All data given are typical product data and do not represent minimum values.  
The actual value may vary depending on colour and additives.

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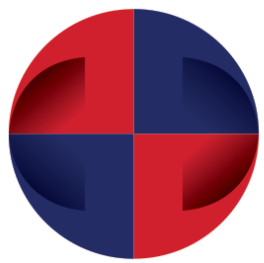
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Mechanical Properties	Typical Value	Unit	Test Method based on
Tensile Strength at Yield (50mm/min)	50	MPa	ISO 527
Tensile Strength at Yield (80°C)	20	MPa	ISO 527
Tensile Strength at Yield (-40°C)	63	MPa	ISO 527
Elongation at Break	35	%	ISO 527
Elongation at Yield (50mm/min)	4.3	%	ISO 527
Flexural Modulus (23°C)	2.2	GPa	ISO 527
Elongation at Yield (-20°C)	6.3	%	ISO 527
Tensile Modulus (1mm/min)	2.1	GPa	ISO 527
Flexural Strength	66	MPa	ISO 178
Izod Notched Impact (RT)	45	kJ/m <sup>2</sup>	ISO 180/1A
Charpy Notched Impact (RT)	44	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy Unnotched Impact (RT)	NB	kJ/m <sup>2</sup>	ISO 179/1eU

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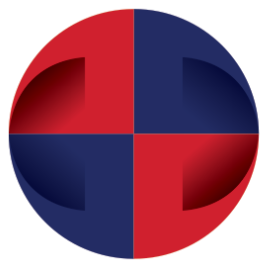
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# POLYMER COMPOUNDERS LIMITED

PC-ABSCOM™ B200

Thermal Properties	Typical Value	Unit	Test Method based on
CTE linear	9.50E-004	1/°C	ISO 11359-2 (Parallel)
HDT (0.46 MPa)	121	°C	ISO 75/A
HDT (1.8 MPa)	100	°C	ISO 75/Ae
Vicat Softening point (B/50)	120	°C	ISO 306

Processing Properties	Typical Value	Unit
Melt Temperature	260	°C
Mould Temperature	70	°C
Injection Velocity	60	mm/s
Drying Time	2 to 4	hr
Drying Temperature	95	°C

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