

PCABSCOM B100

Acrylonitrile Styrene Butadiene/Polycarbonate

PCABSCOM B100 is a PC/ABS blend.

Physical Properties	Typical Value	Unit	Test Method based on
Density	1120	Kg/m ³	ISO 1183
Water absorption (23°C, sat)	0.60	%	ISO 62
Moisture absorption (23°C, 50% RH)	0.20	%	ISO 62
Mould shrinkage	0.4-0.7	%	ISO 294
Melt Flow (260°C / 5 kg)	15	g/10 min	ISO 1133
Flammability (1.5mm)	HB		UL94
Flammability (2.0 mm)	HB		UL94

Mechanical Properties	Typical Value	Unit	Test Method based on
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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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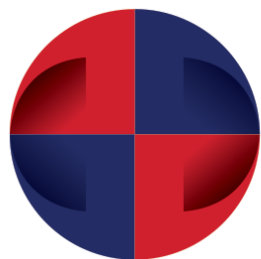
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POLYMER COMPOUNDERS LIMITED

PCABSCOM B100

Tensile Strength at Yield (50mm/min)	50	MPa	ISO 527
Tensile Elongation at Break (50mm/min)	50	%	ISO 527
Tensile Modulus (1mm/min)	2400	MPa	ISO 527
Flexural Strength	75	MPa	ISO 178
Izod Notched Impact (RT)	36	kJ/m2	ISO 180/1A
Charpy Notched Impact (RT)	40	kJ/m2	ISO 179/1eA
Charpy Unnotched Impact (RT)	NB	kJ/m2	ISO 179/1eU
Rockwell hardness	117	R	ISO 2039-2

Thermal Properties	Typical Value	Unit	Test Method based on
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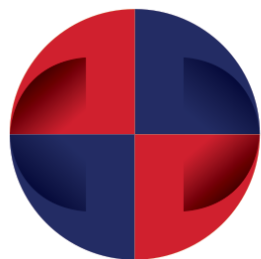
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LIMITED

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CTE linear	7.0E-05	1/°C	ISO 11359-2 (Parallel)
HDT (0.46 MPa)	117	°C	ISO 75/Ae
HDT (1.8 MPa)	95	°C	ISO 75/Ae
Vicat Softening point (B/50)	110	°C	ISO 306

Processing Properties	Typical Value	Unit
Melt Temperature	260	°C
Mould Temperature	70	°C
Injection Velocity	60.0	mm/s
Drying Time	2 to 4	hr
Drying Temperature	100	°C

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