POLYMER COMPOUNDERS LIMITED

PCABSCOM B200

Acrylonitrile Styrene Butadiene/Polycarbonate

PC-ABSCOM B200 is a PC/ABS alloy with superior toughness performance. Typical applications include automotive interior.

Physical Properties	Typical Value	Unit	Test Method based on
Density	1100	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)	12	g/10 min	ISO 1133
Flammability (1.5mm)	HB		UL94
Flammability (2.0 mm)	HB		UL94

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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Mechanical Properties	Typical Value	Unit	Test Method based on
Tensile Strength at Yield (50mm/min)	49	MPa	ISO 527
Tensile Elongation at Break (50mm/min)	135	%	ISO 527
Tensile Modulus (1mm/min)	2100	MPa	ISO 527
Flexural Strength	66	MPa	ISO 178
Izod Notched Impact (RT)	45	kJ/m2	ISO 180/1A
Charpy Notched Impact (RT)	38	kJ/m2	ISO 179/1eA
Charpy Unnotched Impact (RT)	NB	kJ/m2	ISO 179/1eU
Rockwell hardness	117	R	ISO 2039-2

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Thermal Properties	Typical Value	Unit	Test Method based on
CTE linear	9.5.0E-04	1/°C	ISO 11359-2 (Parallel)
HDT (0.46 MPa)	121	°C	ISO 75/Ae
HDT (1.8 MPa)	99	°C	ISO 75/Ae
Vicat Softening point (B/50)	119	°C	ISO 306

Processing Properties	Typical Value	Unit
Melt Temperature	230	°C
Mould Temperature	50-70	°C
Injection Velocity	60.0	mm/s
Drying Time	2 to 4	hr
Drying Temperature	90	°C

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