

## Technical Data Sheet

### Arsablend PC/ABS 43003

**Product Type:** Virgin Polycarbonate/Acrylonitrile-butadiene-styrene.

**Product Description:** PC/ABS alloy is one of the most widely used industrial thermoplastics. PC/ABS offers the most desirable properties of both materials – the superior strength and heat resistance of PC and the flexibility of ABS. PC/ABS blends are commonly used in automotive, electronics and telecommunications.

#### General

Material • PC/ABS Compound

Process Method • Injection

Color • Natural

Physical	Test Method	Test Condition	Value	Unit
Density	ASTM D792	23 °C	1.12	gr/cm <sup>3</sup>
Hardness	ASTM D 2240	23 °C	82	Shore D
Melt Flow Index	ASTM D1238	230°C, 21.6 kg	55	gr/10min
Mechanical	Test Method	Test Condition	Value	Unit
Tensile Strength at Yield	ASTM D638	50 mm/min	55	MPa
Tensile Strain at Yield	ASTM D638	50 mm/min	3.5	%
Tensile Strain at Break	ASTM D638	50 mm/min	50	%
Izod Impact Strength	ASTM D256	Notched at 23°C	57	kJ/m <sup>2</sup>
Thermal	Test Method	Test Condition	Value	Unit
Deflection Temperature Under Load	ASTM D648	1.82 MPa	110	°C

- All mentioned information in this technical data sheet present current knowledge and experience of Arsam Lab. Naturally, these data do not guarantee certain values since may vary on customers processing conditions, so they are provided for reference purposes only and should not be used alone to create specification limits and design basis.

#### Recommended Processing Condition:

- Zone Setting are as follows: 230-270 °C
- Mold Surface Temperature: 70 °C
- Drying Temperature: 80 °C
- Drying Time: 3 hours