

Technical Data Sheet

Arsaelast I 21027

Product Type: PP/EPDM

Product Description: Arsaelast I 21027 is a polyolefin base thermoplastic elastomer. It is made of well dispersed elastomeric phase in a polyolefin matrix. This compound is design to be used in automotive industry specially Air bag cover.

General

| | |
|----------------|-------------------|
| Material | • PP + EPDM blend |
| Process Method | • Injection |
| Color | • Black |

| Physical | Test Method | Test Condition | Value | Unit |
|---------------------------|-------------|-----------------|-------|--------------------|
| Density | ASTM D792 | 23 °C | 0.95 | gr/cm ³ |
| Hardness | ASTM D 2240 | 23 °C, 15 s | 62 | Shore D |
| Melt Flow Index | ASTM D1238 | 230°C, 2.16 kg | 10 | gr/10min |
| Mechanical | Test Method | Test Condition | Value | Unit |
| Tensile Strength at Yield | ASTM D638 | 500 mm/min | 17 | MPa |
| Tensile Strength at Break | ASTM D638 | 500 mm/min | 14 | MPa |
| Tensile Strain at Break | ASTM D638 | 500 mm/min | 200 ≤ | % |
| Izod Impact Strength | ASTM D256 | Notched at 23°C | 45 | kJ/m ² |

- 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: 190 to 230 °C
- Mold Surface Temperature: 40 to 60°C
- Drying Temperature: 70 °C
- Drying Time: 1 to 2 hrs