



Polystyrene (PS)  
**BURTOREN PS57 BLACK**

### Product Description

BURTOREN PS57 BLACK is a Polystyrene.

| Properties  | Unit              | Test Method | Value       |
|---|-------------------|-------------|-------------|
| <b>Physical properties</b>  |                   |             |             |
| Density, (23 °C)  | g/cm <sup>3</sup> | ISO 1183    | 1.02 - 1.06 |
| Melt Flow Rate, (200 °C/5 kg)   | g/10 min          | ISO 1133    | 4 - 7       |
| <b>Mechanical properties</b>  |                   |             |             |
| Tensile Stress at Yield,(50mm/min) (23°C)   | MPa               | ISO 527     | ≥ 35        |
| Tensile Strain at Break,(50mm/min) (23°C)   | %                 | ISO 527     | ≥ 3         |
| Flexure modulus (2mm/min) (23°C)  | MPa               | ISO 178     | ≥ 1750      |
| Flexure stress (2mm/min) (23°C)   | MPa               | ISO 178     | ≥ 50        |
| <b>Impact</b>   |                   |             |             |
| Notched Izod Impact (23°C)  | kJ/m <sup>2</sup> | ISO 180     | 5 - 10      |
| <b>Notes</b>  |                   |             |             |
| The properties are typical, non-binding mean values found for injection moulded natural test bars. Pigments and other modifications may alter these values. |                   |             |             |
| <b>Processing Techniques</b>  |                   |             |             |
| BURTOREN PS57 BLACK is easy to process with standard injection moulding machines.   |                   |             |             |
| Drying  | °C                | 2hr- 4hr    | 80 – 90 °C  |
| <b>Storage</b>  |                   |             |             |

The BURTOREN® PS57 BLACK in pellet form is packed in bigbag (1000 Kg).