Product Data Sheet

August 2025

Description

	PE SA M1
Pellet Colour	Red

Performance Characteristics

	Min	Max	Average
Melt Flow Rate (g/10 min) (230 °C / 2.16 kg) acc. to ASTM D 1238	1.04	1.04	1.04
Melting Temperature (°C) acc. to ASTM D 3418	155.00	170.00	162.50
Density (g/cm3) acc. to ASTM D 792	0.94	0.96	0.95

Mechanical Characteristics

	Min	Max	Average
Tensile Yield Strength (MPa) acc. to ASTM D 638 tested at 50mm/min	14.78	14.82	14.80
Tensile Yield Elongation (%) acc. to ASTM D 638	652.00.9	682.67	682.67
Elongation at Yield (%) acc. to ASTM D638 tested 23°C at 50mm/min	9.53	12.09	10.81
Elongation at Break (%) acc. to ASTM D638 tested 23°C at 50mm/min	678.15	699.30	688.73
Notched Izod Impact Strength (J/m) acc to. ASTM D 256 tested with 3.2 mm notched speciment at 23°C	404.67	465.80	435.24
Hardness (R-Scale) acc to. ASTM D 785	76.00	84.00	80.00
Ash Content (%) acc to. ASTM D 2584	0.80	4.20	2.50

	Value
Moisture Content (%) acc. to HS153 method	0.39
Spectrophotometer (L) acc to. ASTM D523	24.31
Glossy Meter (GU) acc to. ASTM D523	49.55

Storage

Store in the original packaging. Protect from direct exposure to sunlight and heat to prevent quality deterioration. The storage environment should be dry and dust-free, with a temperature not exceeding 50°C

Health & Safety Information

The product described here in may require in handing and use because toxicity, flammability or other consideration. The Material Safety Data Sheet (MSDS) containers the available product health and safety information for this material. Before using any material, a customer is advise to consult the MSDS for the product under consideration for use.

For Additional Information

To request additional product information or to arrange for sales assistance, please see below for contact details.

Important Notice

All statements, technical information and recommendations contained in this document are based upon tests or experience that BBP believes are reliable. Due to variances in raw material for the recycling process, product properties may be changed without notice. These properties are provided as a guide and should not be construed as binding specifications limits or minimum values. The suitability of the data for a specific processing method can only be ensured with trials and tests by the end user.

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