

## Technical Data Sheet : KeyForm P0910

### Polypropylene, Homopolymer

#### Product Description

The polymer grade is a polypropylene homopolymer used for extrusion applications. Formulated with an anti-gasfading stabilisation package and is used for the production of staple fibres. Typical application is nonwovens.

Information regarding regulatory status, including supported, prohibited, or restricted applications, is provided in the **Product Regulatory Summary** and the **Safety Data Sheet (SDS)**.

#### General

|                      |                                                                                      |
|----------------------|--------------------------------------------------------------------------------------|
| Applications         | Filament Yarn; Furniture; Furniture & Buildings; Geotextile & Agriculture; Nonwovens |
| Market               | Textile                                                                              |
| Processing Method    | Continuous Filament/Spinning; Fibers; Staple Fiber                                   |
| Attribute            | Gas-fading Resistant; Homopolymer                                                    |
| Internal ref. number | 1Q091, BEN8663                                                                       |
| Revision             | Version 1.1 : June 2026                                                              |

#### Properties.

| Typical Properties                                        | Nominal Value* | Units             | Test Method   |
|-----------------------------------------------------------|----------------|-------------------|---------------|
| <b>Physical</b>                                           |                |                   |               |
| Melt Flow Rate, (230 °C/2.16 kg)                          | 6              | g/10 min          | ISO 1133-1    |
| Density                                                   | 0.9            | g/cm <sup>3</sup> | ISO 1183-1    |
| <b>Mechanical</b>                                         |                |                   |               |
| Flexural Modulus                                          | 1400           | N/mm <sup>2</sup> | ISO 178       |
| Tensile Stress at Break, (23 °C, 50 mm/min)               | 23             | N/mm <sup>2</sup> | ISO 527-1, -2 |
| Tensile Stress at Yield, (23 °C, 50 mm/min)               | 34             | N/mm <sup>2</sup> | ISO 527-1, -2 |
| Tensile Strain at Break, (23 °C, 50 mm/min)               | 700            | %                 | ISO 527-1, -2 |
| Tensile Strain at Yield, (23 °C, 50 mm/min)               | 11             | %                 | ISO 527-1, -2 |
| <b>Thermal</b>                                            |                |                   |               |
| Vicat Softening Temperature, (A50)                        | 155            | °C                | ISO 306       |
| Deflection Temperature Under Load, (0.45 MPa, Unannealed) | 85             | °C                | ISO 75B-1, -2 |

\*)These are typical property values not to be construed as specification limits.

#### Processing Techniques

Users should determine the conditions necessary to obtain optimum product properties and suitability of the product for the intended application.



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### **Company Information**

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