

# PrimoFlo 80A-300

Styrene Ethylene Butylene Styrene Block Copolymer

KMI Group Inc.

## Message:

PrimoFlo TPEs (SEBS Based Thermoplastic Elastomers) are a family of soft and rubbery products designed for applications requiring soft touch feel, high abrasion and slip resistance. These products have outstanding tear and tensile properties compared to thermoset EPDM.

PrimoFlo products are available in a wide range of hardness and are naturally "white" in color; making these products highly suitable for bright colored parts.

PrimoFlo products can be molded or extruded using standard thermoplastic equipment.

PrimoFlo products are non--hygroscopic (do not absorb moisture); hence there is no need for drying before use; thereby eliminating the need for expensive and energy hungry dryers.

PrimoFlo products are fully recyclable; up to 40% regrind can be added to virgin material with no effect on processing or physical properties.

PrimoFlo products are an ideal choice for single component molded parts as well as over--molding applications. It is fully bondable to polypropylene.

PrimoFlo products are a drop in when SEBS or SBS compounds are used.

In brief

- Excellent abrasion and tear resistance
- Soft touch feel
- Slip resistance
- Fully weatherable
- Does not need to be dried before use
- Easily colorable
- Fully recyclable
- Easily van be molded or extruded using conventional thermoplastic equipments ideal for over molding and two shot molding bondable to Polypropylene

| General Information |                          |                   |             |
|---------------------|--------------------------|-------------------|-------------|
| Features            | Bondability              |                   |             |
|                     | Good Abrasion Resistance |                   |             |
|                     | Good Colorability        |                   |             |
|                     | Good Tear Strength       |                   |             |
|                     | Good Weather Resistance  |                   |             |
|                     | High Tensile Strength    |                   |             |
|                     | Moisture Resistant       |                   |             |
|                     | Recyclable Material      |                   |             |
|                     | Soft                     |                   |             |
| Uses                | Bonding                  |                   |             |
|                     | Overmolding              |                   |             |
| Appearance          | White                    |                   |             |
| Processing Method   | Extrusion                |                   |             |
|                     | Injection Molding        |                   |             |
| Physical            | Nominal Value            | Unit              | Test Method |
| Specific Gravity    | 0.920                    | g/cm <sup>3</sup> | ASTM D792   |
| Hardness            | Nominal Value            | Unit              | Test Method |

| Durometer Hardness (Shore A, 5 sec) | 80            |      | ASTM D2240  |
|-------------------------------------|---------------|------|-------------|
| Elastomers                          | Nominal Value | Unit | Test Method |
| Tensile Strength (Yield)            | 10.4          | MPa  | ASTM D412   |
| Tensile Elongation (Break)          | > 500         | %    | ASTM D412   |
| Injection                           | Nominal Value | Unit |             |
| Suggested Max Regrind               | 40            | %    |             |

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