

# Dryflex® 400801S

Styrene Butadiene Styrene Block Copolymer

ELASTO

## Message:

The 400S series is a good alternative for indoor applications and disposable articles that do not have high requirements for ageing and heat resistance. The raw materials are specially selected for a fast and stable manufacturing process. The 400S series covers grades from 50 Shore A to 50 Shore D in natural and black colours but they can easily be coloured in any shade.

| General Information                       |                          |                   |             |
|---|--------------------------|-------------------|-------------|
| Features                                  | Bondability              |                   |             |
|   | Good Chemical Resistance |                   |             |
|   | Good Weather Resistance  |                   |             |
| Appearance                                | Natural Color            |                   |             |
| Physical                                  | Nominal Value            | Unit              | Test Method |
| Specific Gravity                          | 1.04                     | g/cm <sup>3</sup> | ASTM D792   |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 8.0                      | g/10 min          | ASTM D1238  |
| Molding Shrinkage                         | 0.80 to 2.0              | %                 |             |
| Hardness                                  | Nominal Value            | Unit              | Test Method |
| Durometer Hardness (Shore A)              | 80                       |                   | ASTM D2240  |
| Mechanical                                | Nominal Value            | Unit              | Test Method |
| Tensile Strength                          |                          |                   | ASTM D638   |
| --  | 6.00                     | MPa               |             |
| 100% Strain                               | 4.00                     | MPa               |             |
| 300% Strain                               | 5.00                     | MPa               |             |
| Tensile Elongation (Break)                | > 500                    | %                 | ASTM D638   |
| Elastomers                                | Nominal Value            | Unit              | Test Method |
| Tear Strength                             | 42.0                     | kN/m              | ASTM D624   |
| Thermal                                   | Nominal Value            | Unit              |             |
| Service Temperature                       | -50 to 75                | °C                |             |
| Injection                                 | Nominal Value            | Unit              |             |
| Processing (Melt) Temp                    | 170 to 210               | °C                |             |

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