

# Dryflex® 420501S

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) | 4.0                      | g/10 min          | ASTM D1238  |
| Molding Shrinkage                         | 0.80 to 2.0              | %                 |             |
| Hardness                                  | Nominal Value            | Unit              | Test Method |
| Durometer Hardness (Shore D)              | 50                       |                   | ASTM D2240  |
| Mechanical                                | Nominal Value            | Unit              | Test Method |
| Tensile Strength                          |                          |                   | ASTM D638   |
| --                                        | 13.0                     | MPa               |             |
| 100% Strain                               | 12.0                     | MPa               |             |
| 300% Strain                               | 12.0                     | MPa               |             |
| Tensile Elongation (Break)                | > 400                    | %                 | ASTM D638   |
| Elastomers                                | Nominal Value            | Unit              | Test Method |
| Tear Strength                             | 105                      | kN/m              | ASTM D624   |
| Thermal                                   | Nominal Value            | Unit              |             |
| Service Temperature                       | -40 to 75                | °C                |             |
| Injection                                 | Nominal Value            | Unit              |             |
| Processing (Melt) Temp                    | 170 to 210               | °C                |             |

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: [sales@su-jiao.com](mailto:sales@su-jiao.com)

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

