

## BASF Elastollan® S95A Polyester Type Polyurethane Elastomer

Category : Polymer , Thermoplastic , Elastomer, TPE , Polyurethane, TP , Thermoplastic Polyurethane, Elastomer, Polyester Grade

### Material Notes:

Recommended for injection molding. Elastollan S series of products are polyester-based thermoplastic polyurethanes that exhibit good hydrolytic stability. They also exhibit good oil, fuel and solvent resistance. These products can be injection and blow molded and extruded. As with all TPU products this grade must be dried prior to processing. Property values below are typical values based on test samples cured 20 hours at 100°C before testing. Information provided by BASF Corporation.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_BASF-Elastollan-S95A-Polyester-Type-Polyurethane-Elastomer.php](http://www.lookpolymers.com/polymer_BASF-Elastollan-S95A-Polyester-Type-Polyurethane-Elastomer.php)

| Physical Properties | Metric    | English                   | Comments  |
|---------------------|-----------|---------------------------|-----------|
| Density             | 1.23 g/cc | 0.0444 lb/in <sup>3</sup> | ASTM D792 |

| Mechanical Properties          | Metric        | English       | Comments                 |
|--------------------------------|---------------|---------------|--------------------------|
| Hardness, Shore A              | 96            | 96            | ASTM D2240               |
| Hardness, Shore D              | 48            | 48            | ASTM D2240               |
| Tensile Strength, Ultimate     | 42.0 MPa      | 6090 psi      | ASTM D412                |
| Tensile Strength, Yield        | 14.0 MPa      | 2030 psi      | ASTM D-412               |
|                                | @Strain 100 % | @Strain 100 % |                          |
|                                | 26.0 MPa      | 3770 psi      |                          |
|                                | @Strain 300 % | @Strain 300 % | ASTM D-412               |
| Elongation at Break            | 510 %         | 510 %         | ASTM D412                |
| Tear Strength                  | 150 kN/m      | 856 pli       | ASTM D624                |
| Taber Abrasion, mg/1000 Cycles | 50            | 50            | H-18 wheel; ASTM D-1044. |
| Tensile Set                    | 90 %          | 90 %          | at break; ASTM D-412     |

| Thermal Properties | Metric              | English              | Comments  |
|--------------------|---------------------|----------------------|-----------|
| Flammability, UL94 | HB                  | HB                   | Color: NC |
|                    | @Thickness 0.950 mm | @Thickness 0.0374 in |           |

## Contact Songhan Plastic Technology Co.,Ltd.

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