

Texalan® 3 Series 385A

Thermoplastic Polyurethane Elastomer (Polyester)

Austin Novel Materials Co. Ltd.

Message:

Texalan® 3 Series 385A is a Thermoplastic Polyurethane Elastomer (Polyester) (TPU-Polyester) material. It is available in Asia Pacific, Europe, or North America for blow molding, calendering, coextrusion, extrusion, film extrusion, or injection molding.

Important attributes of Texalan® 3 Series 385A are:

- Chemical Resistant
- High Strength
- Impact Resistant
- Low Temperature Resistant
- Wear Resistant

| General Information | |
|---------------------|---------------------------|
| Features | Good Abrasion Resistance |
| | High Elasticity |
| | High Impact Resistance |
| | High Tensile Strength |
| | Low Temperature Resistant |
| | Oil Resistant |

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|-------------------|-------------------|
| Processing Method | Blow Molding |
| | Calendering |
| | Coextrusion |
| | Extrusion |
| | Film Extrusion |
| | Injection Molding |

| Physical | Nominal Value | Unit | Test Method |
|----------------------------|---------------|-------------------|-------------|
| Density | 1.18 to 1.22 | g/cm ³ | ISO 1183 |
| Hardness | Nominal Value | Unit | Test Method |
| Shore Hardness (Shore A) | 82 to 88 | | ISO 868 |
| Mechanical | Nominal Value | Unit | Test Method |
| Abrasion Resistance | < 45.0 | mm ³ | ISO 4649 |
| Elastomers | Nominal Value | Unit | Test Method |
| Tensile Stress | | | ISO 37 |
| 100% Strain | > 5.00 | MPa | |
| 300% Strain | > 9.00 | MPa | |
| Tensile Stress (Yield) | > 35.0 | MPa | ISO 37 |
| Tensile Elongation (Break) | > 530 | % | ISO 37 |
| Tear Strength | > 85 | kN/m | ISO 34-1 |
| Compression Set (70°C) | < 45 | % | ISO 815 |

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Recommended distributors for this material

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