

Texalan® 7 Series 765A

Thermoplastic Polyurethane Elastomer Alloy

Austin Novel Materials Co. Ltd.

Message:

Texalan® 7 Series 765A is a Thermoplastic Polyurethane Elastomer Alloy (TPU Alloy) 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® 7 Series 765A 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 |
| Processing Method | Blow Molding |
| | Calendering |
| | Coextrusion |
| | Extrusion |
| | Film Extrusion |
| | Injection Molding |

| Physical | Nominal Value | Unit | Test Method |
|----------------------------|---------------|-------------------|-------------|
| Density | 0.980 to 1.02 | g/cm ³ | ISO 1183 |
| Hardness | Nominal Value | Unit | Test Method |
| Shore Hardness (Shore A) | 62 to 68 | | ISO 868 |
| Mechanical | Nominal Value | Unit | Test Method |
| Abrasion Resistance | < 75.0 | mm ³ | ISO 4649 |
| Elastomers | Nominal Value | Unit | Test Method |
| Tensile Stress | | | ISO 37 |
| 100% Strain | > 1.50 | MPa | |
| 300% Strain | > 2.50 | MPa | |
| Tensile Stress (Yield) | > 18.0 | MPa | ISO 37 |
| Tensile Elongation (Break) | > 850 | % | ISO 37 |
| Tear Strength | > 55 | kN/m | ISO 34-1 |
| Compression Set (70°C) | < 20 | % | ISO 815 |

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