

Elastollan® L 765 D

Thermoplastic Polyurethane Elastomer (Polyester)

BASF Polyurethanes GmbH

Message:

Aliphatic, thermoplastic Polyurethane with excellent colour fastness, good flow characteristics, detailed reproduction of surface structures, resistance to hydrolysis and low fogging values.

Typical applications

Applications in the automotive interior, e.g. inner door handles, instrument panels, cover centre consoles, lever wheels, slider covers, tubes, films.

| General Information | | | |
|---------------------------------|-----------------------------|-------------------|-------------|
| Features | Aliphatic | | |
| | Good Flow | | |
| | Hydrolysis Resistant | | |
| | Low to No Fogging | | |
| Uses | Automotive Instrument Panel | | |
| | Automotive Interior Parts | | |
| | Film | | |
| | Handles | | |
| | Tubing | | |
| | Wheels | | |
| Processing Method | Extrusion | | |
| | Injection Molding | | |
| | Slush Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 1.13 | g/cm ³ | ISO 1183/A |
| Hardness | Nominal Value | Unit | Test Method |
| Shore Hardness (Shore D, 3 sec) | 63 | | ISO 7619 |
| Elastomers | Nominal Value | Unit | Test Method |
| Tensile Stress (Yield) | 30.0 | MPa | DIN 53504 |
| Tensile Elongation (Break) | 350 | % | DIN 53504 |
| Tear Strength ¹ | 130 | kN/m | ISO 34-1 |
| Injection | Nominal Value | Unit | |
| Processing (Melt) Temp | 190 to 235 | °C | |
| Mold Temperature | 20.0 to 60.0 | °C | |
| Extrusion | Nominal Value | Unit | |
| Melt Temperature | 180 to 230 | °C | |
| NOTE | | | |
| 1. | Method Bb, Angle (Nicked) | | |

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