

Xuchuan 2005L/B-8005

Thermoplastic Polyurethane Elastomer (Polyester)

Xuchuan Chemical (Suzhou) Co., Ltd

Message:

Xuchuan 2005L/B-8005 is a Thermoplastic Polyurethane Elastomer (Polyester) (TPU-Polyester) product. It is available in Asia Pacific. Typical application: Consumer Goods. Primary characteristic: high flow.

| General Information | | |
|------------------------------|-----------------|-------------------|
| Features | High Elasticity | |
| | High Flow | |
| Uses | Footwear | |
| Physical | Nominal Value | Unit |
| Density | 0.450 to 0.600 | g/cm ³ |
| Density | | |
| A-2005L : 40°C | 1.010 to 1.020 | g/cm ³ |
| B-8005 : 40°C | 1.080 to 1.200 | g/cm ³ |
| Viscosity | | |
| A-2005L : 40°C | 700 to 1100 | mPa·s |
| B-8005 : 40°C | 300 to 500 | mPa·s |
| Cream Time | 7.0 to 9.0 | sec |
| End of Rise Time | 50.0 to 60.0 | sec |
| Free Rise Foam Density | 230 to 260 | kg/m ³ |
| Preheat Temperature | | |
| Part A | 50 to 60 | °C |
| Part B | 50 to 60 | °C |
| Preheat Time | | |
| Part A | 8.0 to 10.0 | hr |
| Part B | 8.0 to 12.0 | hr |
| Processing Temperature | | |
| Part A | 40 to 45 | °C |
| Part B | 38 to 42 | °C |
| Hardness | Nominal Value | Unit |
| Durometer Hardness (Shore C) | 47 to 72 | |
| Elastomers | Nominal Value | Unit |
| Tensile Strength (Break) | 4.00 to 6.00 | MPa |
| Tensile Elongation (Break) | 400 to 600 | % |
| Tear Strength | 18.0 to 26.0 | kN/m |
| Thermoset | Nominal Value | Unit |
| Thermoset Components | | |

| | | |
|------------------|-------------------------------|------|
| Part A | Mix Ratio by Weight: 100 | |
| Part B | Mix Ratio by Weight: 79 to 81 | |
| Demold Time | 5.0 to 7.0 | min |
| Injection | Nominal Value | Unit |
| Mold Temperature | 45.0 to 55.0 | °C |

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