Lustran® PG298



Lustran® PG298 resin is a grade of ABS (acrylonitrile butadiene styrene) for use in automotive and general-purpose applications. It provides a unique combination of flow and rigidity, with increased scratch resistance.

Physical Properties

| MEASUREMENT | CONDITION | Value |
|---|-----------|---------------------------|
| Density / Specific Gravity | ASTM D792 | 1.06 |
| Melt Mass-Flow Rate (MFR) 220°C/10.0 kg 230°C/3.8 kg | ISO 1133 | 19g/10 min 5.0g/10 min |
| Molding Shrinkage | ISO 294-4 | 0.40 to 0.70% |
| Water Absorption Saturation, 73°F Equilibrium, 73°F, 50% RH | ISO 62 | 1.0% 0.22% |

Mechanical Properties

| MEASUREMENT | CONDITION | Value |
|------------------------------|-----------|------------|
| Tensile Stress (Yield, 73°F) | ISO 527-2 | 7250 psi |
| Tensile Strain (Yield, 73°F) | ISO 527-2 | 2.8% |
| Flexural Modulus (73°F) | ISO 178 | 392000 psi |

Films

| MEASUREMENT | CONDITION | Value |
|----------------------|-----------|----------|
| Tensile Modulus - MD | ISO 527-3 | 2800 psi |

Impact Properties

| MEASUREMENT | CONDITION | Value |
|---|-------------|-------------------------------|
| Charpy Notched Impact Strength -22°F 73°F | ISO 179/1eA | 4.8 ft·lb/in² 10 ft·lb/in² |

Features

- General Purpose
- Good Adhesion
- Good Scratch Resistance
- Plating grade
- Improved thermocycle performance
- Outstanding plate adhesion
- Increased scratch resistance

Applications

- Appliances
- Automotive Applications
- General Purpose
- Lawn and Garden Equipment

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Processing Method

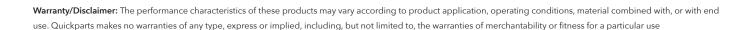
• Injection Molding

contact@quickparts.com | www.quickparts.com

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 North America
 United Kingdom
 Germany
 France
 Italy

 +1 931 766 7290
 +44 (0) 1494 479 690
 +49 (0) 6073 689 6000
 +33 (0) 2 43 51 20 30
 +39 0121 390310



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Thermal Properties

| MEASUREMENT | CONDITION | Value |
|---|-------------|---------------------------|
| Deflection Temperature Under Load ³ 66 psi, Annealed 264 psi, Annealed | ISO 75-2/B | 216°F 210°F |
| Vicat Softening Temperature | ISO 306/B50 | 208°F |
| CLTE - Flow | ISO 11359-2 | 4.4E-5 to 6.1E-5 in/in/°F |
| Thermal Conductivity | ISO 8302 | 1.2 Btu·in/hr/ft²/°F |

Injection Properties

| MEASUREMENT | Value |
|------------------------|--------------|
| Drying Temperature | 176°F |
| Drying Time | 4.0hr |
| Rear Temperature | 473 to 491°F |
| Middle Temperature | 482 to 500°F |
| Front Temperature | 491 to 509°F |
| Processing (Melt) Temp | 500 to 536°F |
| Mold Temperature | 122 to 140°F |

Notes:

³4 h/80 °C

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