



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/in ² 10 ft·lb/in ²

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

Processing Method

- Injection Molding

contact@quickparts.com | www.quickparts.com

©2023. All rights reserved. Specifications subject to change without notice.

Lustran[®] PG298

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/ft ² /°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

contact@quickparts.com | www.quickparts.com

©2023. All rights reserved. Specifications subject to change without notice.

North America
+1 931 766 7290

United Kingdom
+44 (0) 1494 479 690

Germany
+49 (0) 6073 689 6000

France
+33 (0) 2 43 51 20 30

Italy
+39 0121 390310

Warranty/Disclaimer: The performance characteristics of these products may vary according to product application, operating conditions, material combined with, or with end use. Quickparts makes no warranties of any type, express or implied, including, but not limited to, the warranties of merchantability or fitness for a particular use.