

Lustran PG298

Acrylonitrile Butadiene Styrene (ABS)

TECHNICAL DATASHEET

DESCRIPTION

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.

FEATURES

- SAE J1685: ABS0111
- Plating grade
- Improved thermocycle performance
- Outstanding plate adhesion
- Increased scratch resistance

APPLICATIONS

- Grills
- Wheel covers
- Mirror housings
- Appliance, lawn and garden

Property, Test Condition	Standard	Unit	Values
Rheological Properties			
Melt Flow Rate, 230 °C/3.8 kg	ASTM D 1238	g/10 min	5
Melt Flow Rate, 220 °C/10 kg	ASTM D 1238	g/10 min	19
Mechanical Properties			
Izod Notched Impact Strength, 23 °C (73 °F)	ASTM D 256	ft-lb/in	3.2
Tensile Stress at Yield, 23 °C	ASTM D 638	psi	5800
Tensile Modulus	ASTM D 638	psi x 10 ³	402
Flexural Modulus, 23 °C	ASTM D 790	psi x 10 ³	410
Flexural Stress at 5% Deflection	ASTM D 790	psi	11400
Hardness, Rockwell	ASTM D 785	R scale	110
Thermal Properties			
Vicat Softening Temperature, B/1 (120 °C/h, 10N)	ASTM D 1525	°F	230
DTUL @ 264 psi - Unannealed	ASTM D 648	°F	183
DTUL @ 66 psi - Unannealed	ASTM D 648	°F	196
Other Properties			
Density	ASTM D 792	lb/in ³	1.06
Processing			

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Property, Test Condition	Standard	Unit	Values
Linear Mold Shrinkage	ASTM D 955	in/in	0.004 - 0.006
Drying Temperature	-	°F	175
Drying Time	-	h	2 - 4