

Lustran 248BS

Acrylonitrile Butadiene Styrene (ABS)

TECHNICAL DATASHEET

DESCRIPTION

Lustran® 248BS is a high-gloss, medium-impact injection molding resin.

FEATURES

- High gloss
- Medium impact toughness
- High gloss
- Excellent surface lubricity

APPLICATIONS

- toys/sports and Leisure
- Surgical instruments
- Diagnostic test kits

Property, Test Condition	Standard	Unit	Values
Rheological Properties			
Melt Flow Rate, 230 °C/3.8 kg	ASTM D 1238	g/10 min	6
Mechanical Properties			
Izod Notched Impact Strength, 23 °C (73 °F)	ASTM D 256	ft-lb/in	5
Tensile Stress at Yield, 23 °C	ASTM D 638	psi	6100
Tensile Modulus	ASTM D 638	psi x 10 ³	380
Flexural Strength, 23 °C	ASTM D 790		10500
Flexural Modulus, 23 °C	ASTM D 790	psi x 10 ³	390
Hardness, Rockwell	ASTM D 785	R scale	110
Thermal Properties			
DTUL @ 264 psi - Unannealed	ASTM D 648	°F	190
Coefficient of Linear Thermal Expansion	ASTM D 696	10 ⁻⁴ /°F	0.45
Other Properties			
Density	ASTM D 792	lb/in ³	1.05
Processing			
Melt Temperature Range	-	°F	425 - 500
Mold Temperature Range	-	°F	85 - 140
Drying Temperature	-	°F	175

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Property, Test Condition	Standard	Unit	Values
Drying Time	-	h	2 - 4