

Lustran® 248BS

Acrylonitrile Butadiene Styrene
INEOS Styrolution Group GmbH

Message:

Lustran® 248BS is a high-gloss, medium-impact injection molding resin that has been specially formulated for excellent surface lubricity using internal additives.

FEATURES

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

APPLICATIONS

- Components of intravenous (IV) systems
- Surgical instruments
- Diagnostic test kits

General Information			
Additive	Unspecified additive		
Features	Highlight		
	Medium impact resistance		
Uses	Surgical instruments		
	Medical/nursing supplies		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	6.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.40 - 0.60	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	110		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2620	MPa	ASTM D638
Tensile Strength (Yield, 23°C)	42.1	MPa	ASTM D638
Flexural Modulus	2690	MPa	ASTM D790
Flexural Strength	72.4	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	270	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	87.8	°C	ASTM D648
CLTE - Flow	8.1E-5	cm/cm/°C	ASTM D696
Injection	Nominal Value	Unit	

Drying Temperature	79	°C
Drying Time	2.0 - 4.0	hr
Processing (Melt) Temp	218 - 260	°C
Mold Temperature	29 - 60	°C

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

