

Lustran® ABS H801

Acrylonitrile Butadiene Styrene + PC
INEOS ABS (Spain) S.L.



Prospector

Product Description

High heat resistance , PC-modified , low emission , increased flow.

General

Material Status	• Commercial: Active
Availability	• Europe
Features	• Good Flow • High Heat Resistance • Low Emissions
Agency Ratings	• EC 1907/2006 (REACH)
Forms	• Pellets
Part Marking Code (ISO 2580)	• ABS 2-X, MG, 105-08-25-25

Physical	Nominal Value Unit	Test Method
Density	1.07 g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	9.00 cm ³ /10min	ISO 1133
Molding Shrinkage ²		ISO 294-4
Across Flow	0.50 to 0.70 %	
Flow	0.50 to 0.70 %	

Mechanical	Nominal Value Unit	Test Method
Tensile Modulus (23°C)	2400 MPa	ISO 527-2/1
Tensile Stress (Yield, 23°C)	49.0 MPa	ISO 527-2/50
Tensile Strain		ISO 527-2/50
Yield, 23°C	3.0 %	
Break, 23°C	> 15 %	
Flexural Modulus ³ (23°C)	2300 MPa	ISO 178
Flexural Strength ³ (23°C)	77.0 MPa	ISO 178

Impact	Nominal Value Unit	Test Method
Charpy Notched Impact Strength		ISO 179/1eA
-30°C	12 kJ/m ²	
23°C	30 kJ/m ²	
Charpy Unnotched Impact Strength		ISO 179/1eU
-30°C	160 kJ/m ²	
23°C	220 kJ/m ²	
Notched Izod Impact Strength		ISO 180/1A
-30°C	12 kJ/m ²	
23°C	30 kJ/m ²	

Hardness	Nominal Value Unit	Test Method
Ball Indentation Hardness	105 MPa	ISO 2039-1

Thermal	Nominal Value Unit	Test Method
Heat Deflection Temperature		
0.45 MPa, Unannealed	106 °C	ISO 75-2/B
1.8 MPa, Unannealed	99.0 °C	ISO 75-2/A
Vicat Softening Temperature	105 °C	ISO 306/B50
CLTE - Flow (23 to 55°C)	0.000080 cm/cm/°C	ISO 11359-2

Electrical	Nominal Value Unit	Test Method
Surface Resistivity	1.0E+16 ohms	IEC 60093
Volume Resistivity	1.0E+16 ohm·cm	IEC 60093
Relative Permittivity		IEC 60250
23°C, 100 Hz	3.10	
23°C, 1 MHz	3.00	
Dissipation Factor		IEC 60250
23°C, 100 Hz	0.0050	
23°C, 1 MHz	0.0090	
Comparative Tracking Index (Solution A)	600 V	IEC 60112
Electric Strength (23°C)	38 kV/mm	IEC 60243-1

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Flammability	Nominal Value Unit	Test Method
Burning Rate ⁴ (2.00 mm)	45 mm/min	ISO 3795
Glow Wire Flammability Index (2.00 mm)	700 °C	IEC 60695-2-12

Notes

¹ Typical properties: these are not to be construed as specifications.

² 60x60x2

³ 2.0 mm/min

⁴ US - FMVSS

Revision History

Document Created: Tuesday, September 27, 2011
Added to Prospector: March, 2006
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