

Sindustris ABS LRX821

Acrylonitrile Butadiene Styrene

Sincerity Australia Pty Ltd.

Message:

Sindustris ABS LRX821 is an acrylonitrile butadiene styrene (ABS) material. This product is available in the Asia-Pacific region and is processed by extrusion.

The main features of Sindustris ABS LRX821 are:

flame retardant/rated flame

Impact resistance

chemical resistance

The typical application fields of Sindustris ABS LRX821 are: electrical appliances

General Information			
Features	Impact resistance, high		
	Good chemical resistance		
Uses	Home appliance components		
UL File Number	E306922		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	37	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.40 - 0.70	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	97		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, 3.20 mm)	38.2	MPa	ASTM D638
Tensile Elongation ²			ASTM D638
Yield, 3.20mm	> 5.0	%	ASTM D638
Fracture, 3.20mm	30	%	ASTM D638
Flexural Modulus ³ (3.20 mm)	1860	MPa	ASTM D790
Flexural Strength ⁴ (3.20 mm)	56.9	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
23°C, 3.20 mm	590	J/m	ASTM D256
23°C, 6.40 mm	290	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, unannealed, 6.40mm	90.0	°C	ASTM D648
1.8 MPa, unannealed, 6.40mm	84.0	°C	ASTM D648
Vicat Softening Temperature	91.0	°C	ASTM D1525 ⁵

Flammability	Nominal Value	Test Method
Flame Rating	HB	UL 94
Extrusion	Nominal Value	Unit
Drying Temperature	70.0 - 80.0	°C
Drying Time	3.0 - 4.0	hr
Suggested Max Moisture	0.010	%
Melt Temperature	200 - 250	°C
Die Temperature	200 - 250	°C
Back Pressure	0.490 - 0.981	MPa
Extrusion instructions		

Mold Temperature: 40 to 80°C Screw Speed: 40 to 82 rpm

NOTE

- | | |
|----|--------------------------|
| 1. | 50 mm/min |
| 2. | 50 mm/min |
| 3. | 15 mm/min |
| 4. | 15 mm/min |
| 5. | 速率 A (50°C/h), 载荷2 (50N) |

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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



WECHAT