

Lustran® ABS 288

Acrylonitrile Butadiene Styrene

Styrolution

Message:

Lustran ABS 288 is a very high-flow injection molding grade of ABS (acrylonitrile butadiene styrene) with good impact strength and high gloss. It is intended for use in a wide range of applications, particularly in thin-walled components for telecommunications, office equipment, consumer and other office products.

General Information			
UL YellowCard	E44741-100179206		
Features	Highlight		
	Impact resistance, good		
	High liquidity		
Uses	Thin wall parts		
	Business equipment		
	Communication Equipment		
	Consumer goods application field		
Agency Ratings	EC 1907/2006 (REACH)		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	30	g/10 min	ASTM D1238, ISO 1133
Molding Shrinkage - Flow	0.40 - 0.60	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2800	MPa	ISO 527-2
Tensile Stress (Yield)	38.0	MPa	ISO 527-2
Flexural Modulus	2400	MPa	ISO 178
Flexural Stress	66.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact ¹			ISO 180
-34°C	13	kJ/m²	ISO 180
23°C	24	kJ/m²	ISO 180
Instrumented Dart Impact			ASTM D3763
-30°C, Total Energy	9.00	J	ASTM D3763
23°C, Total Energy	40.0	J	ASTM D3763
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			

0.45 MPa, unannealed, 4.00mm span	85.0	°C	ISO 75-2/B
1.8 MPa, unannealed, 4.00mm span	76.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	104	°C	ISO 306/A120
--	94.0	°C	ISO 306/B50
Flammability	Nominal Value	Test Method	
Flame Rating		UL 94	
1.50 mm	HB	UL 94	
3.00 mm	HB	UL 94	
Optical	Nominal Value	Test Method	
Gardner Gloss (60°)	95	ASTM D523	
Injection	Nominal Value	Unit	
Drying Temperature			
A	82.2 - 87.8	°C	
B	71.1 - 76.7	°C	
Drying Time			
A	2.0	hr	
B	4.0	hr	
Suggested Max Moisture	< 0.10	%	
Suggested Shot Size	50 - 75	%	
Suggested Max Regrind	20	%	
Rear Temperature	235 - 249	°C	
Middle Temperature	241 - 254	°C	
Front Temperature	246 - 260	°C	
Nozzle Temperature	246 - 260	°C	
Processing (Melt) Temp	246 - 266	°C	
Mold Temperature	43.3 - 65.6	°C	
Injection Pressure	68.9 - 110	MPa	
Injection Rate	Fast		
Back Pressure	0.345 - 0.689	MPa	
Clamp Tonnage	2.8 - 5.5	kN/cm ²	
Cushion	< 6.35	mm	
Screw L/D Ratio	20.0:1.0		
Screw Compression Ratio	2.5:1.0		
Injection instructions			
Hold Pressure: 50 to 70% of the injection pressureScrew Speed: Moderate			
NOTE			
1.	4 mm		

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.

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

