

# Diamond ABS 3500 LG

Acrylonitrile Butadiene Styrene  
Network Polymers, Inc.

Message:

Diamond ABS 3500 LG is an Acrylonitrile Butadiene Styrene (ABS) product. It can be processed by injection molding and is available in North America. Characteristics include:  
Flame Rated  
Impact Resistant  
Low Gloss

General Information			
Features	Low Gloss		
	Medium Flow		
	Medium Impact Resistance		
UL File Number	E150937		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) <sup>1</sup>			ASTM D1238
200°C/5.0 kg	2.3	g/10 min	
230°C/3.8 kg	6.0	g/10 min	
Molding Shrinkage - Flow	0.40 to 0.70	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	104		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>2</sup> (Yield)	41.4	MPa	ASTM D638
Flexural Modulus - Tangent <sup>3</sup>	2070	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.18 mm)	250	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 3.18 mm, Injection Molded)	76.7	°C	ASTM D648
Vicat Softening Temperature	104	°C	ASTM D1525 <sup>4</sup>
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 85.0	°C	
Drying Time	2.0 to 4.0	hr	
Suggested Max Moisture	0.10	%	
Rear Temperature	200 to 220	°C	

Middle Temperature	200 to 220	°C
Front Temperature	200 to 220	°C
Mold Temperature	40.0 to 60.0	°C
Injection Rate	Slow-Moderate	

NOTE		
1.	Procedure A	
2.	51 mm/min	
3.	1.3 mm/min	
4.	Loading 1 (10 N)	

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