

Sindustris ABS LLG814W

Acrylonitrile Butadiene Styrene

Sincerity Australia Pty Ltd.

Message:

Sindustris ABS LLG814W is an Acrylonitrile Butadiene Styrene (ABS) material. It is available in Asia Pacific for injection molding.

Important attributes of Sindustris ABS LLG814W are:

Flame Rated

Heat Resistant

Low Gloss

Typical applications include:

Automotive

Housings

General Information			
Features	High Heat Resistance		
	Low Gloss		
Uses	Automotive Interior Parts		
	Housings		
UL File Number	E306922		
Processing Method	Injection Molding		
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)	9.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.40 to 0.70	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	103		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, 3.20 mm)	45.1	MPa	ASTM D638
Tensile Elongation ² (Break, 3.20 mm)	25	%	ASTM D638
Flexural Modulus ³ (3.20 mm)	2300	MPa	ASTM D790
Flexural Strength ⁴ (3.20 mm)	73.5	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-30°C, 3.20 mm	98	J/m	
-30°C, 6.40 mm	88	J/m	
23°C, 3.20 mm	250	J/m	
23°C, 6.40 mm	200	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	101	°C	

1.8 MPa, Unannealed, 6.40 mm	92.0	°C	
Vicat Softening Temperature	99.0	°C	ASTM D1525 ⁵
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
Optical	Nominal Value		Test Method
Gloss (60°)	30		ASTM D2457
Injection	Nominal Value	Unit	
Drying Temperature	70.0 to 80.0	°C	
Drying Time	3.0 to 4.0	hr	
Suggested Max Moisture	0.010	%	
Rear Temperature	200 to 220	°C	
Middle Temperature	210 to 230	°C	
Front Temperature	220 to 240	°C	
Nozzle Temperature	200 to 230	°C	
Processing (Melt) Temp	220 to 240	°C	
Mold Temperature	40.0 to 60.0	°C	
Back Pressure	68.6 to 88.3	MPa	
Screw Speed	< 80	rpm	
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	15 mm/min		
4.	15 mm/min		
5.	Rate A (50°C/h), Loading 2 (50 N)		

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