

# MAGNUM™ 3416 SLG

ABS Resin

Trinseo

Message:

The mass (continuous process) ABS technology ensures an ABS resin that combines excellent processability with a stable light base colour providing an ideal resin for self colouring. MAGNUM 3416 SLG is a new grade providing a unique property balance of ultra low gloss performance, excellent processing characteristics and high heat resistance.

Applications:

Unpainted automotive interior trim components with enhanced requirements on strength, stiffness and low creep performance also at elevated temperatures.

General Information			
Features	Good Creep Resistance		
	Good Processability		
	Good Stiffness		
	Good Strength		
	High Heat Resistance		
	Low Gloss		
Uses	Automotive Applications		
	Automotive Interior Parts		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.05	g/cm <sup>3</sup>	ISO 1183
Apparent Density	0.65	g/cm <sup>3</sup>	ISO 60
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	8.5	g/10 min	ISO 1133
Molding Shrinkage - Across Flow	0.40 to 0.70	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (Injection Molded)	1900	MPa	ISO 527-2
Tensile Stress (Yield)	39.0	MPa	ISO 527-2/50
Tensile Strain (Break)	60	%	ISO 527-2/50
Flexural Modulus	2050	MPa	ISO 178
Flexural Stress	62.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	8.0	kJ/m <sup>2</sup>	
23°C	12	kJ/m <sup>2</sup>	
Thermal	Nominal Value	Unit	Test Method


Heat Deflection Temperature (1.8 MPa, Unannealed)	84.0	°C	ISO 75-2/A
Vicat Softening Temperature	107	°C	ISO 306/B50

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## Recommended distributors for this material

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