

Shinko-Lac® ASA S510

Acrylonitrile Styrene Acrylate

Mitsubishi Rayon America Inc.

Message:

Shinko-Lac® ASA S510 is an Acrylonitrile Styrene Acrylate (ASA) material. It is available in North America for injection molding.

Important attributes of Shinko-Lac® ASA S510 are:

Flame Rated

Impact Resistant

General Information			
Features	Medium Impact Resistance		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.06	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/5.0 kg)	1.5	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	95		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	38.2	MPa	ASTM D638
Flexural Modulus (23°C)	1960	MPa	ASTM D790
Flexural Strength (Yield, 23°C)	57.9	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	240	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 6.35 mm, Injection Molded	96.0	°C	
1.8 MPa, Unannealed, 6.35 mm, Injection Molded	82.0	°C	
Vicat Softening Temperature	93.0	°C	ISO 306/B
Flammability	Nominal Value		Test Method
Flame Rating (1.59 mm)	HB		UL 94

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Recommended distributors for this material

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