

Shinko-Lac® ASA TW20

Acrylonitrile Styrene Acrylate
Mitsubishi Rayon America Inc.

Message:

Shinko-Lac® ASA TW20 is an Acrylonitrile Styrene Acrylate (ASA) material. It is available in North America for injection molding. Primary attribute of Shinko-Lac® ASA TW20: Heat Resistant.

General Information			
Features	High Heat Resistance		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.07	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (220°C/5.0 kg)	0.30	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.50	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	104		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	43.1	MPa	ASTM D638
Flexural Modulus (23°C)	2260	MPa	ASTM D790
Flexural Strength (Yield, 23°C)	66.7	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	150	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	111	°C	
1.8 MPa, Unannealed, 6.35 mm, Injection Molded	98.0	°C	
Vicat Softening Temperature	112	°C	ISO 306/B

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Recommended distributors for this material

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