

CERTENE™ 709 SAN

Channel Prime Alliance - Styrene Acrylonitrile

Saturday, January 18, 2020

General Information

General

Material Status	• Commercial: Active
Availability	• North America
Appearance	• Natural Color
Forms	• Pellets

ASTM & ISO Properties¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.07	g/cm ³	ASTM D792
Specific Volume	0.930	cm ³ /g	
Density	1.07	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	25	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.30 to 0.40	%	ASTM D955
Acrylonitrile Content	29.5	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4710	MPa	ISO 527-2
Tensile Stress (Break)	58.0	MPa	ISO 527-2
Flexural Modulus	3760	MPa	ISO 178
Flexural Stress ²	91.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	1.5	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature			
--	102	°C	ISO 306/B120
--	99.5	°C	ISO 306/B50
--	106	°C	ISO 306/A120

Notes

¹ Typical properties: these are not to be construed as specifications.

² Yield