

# Sangel® WLE100

Styrene Acrylonitrile

Unigel Plásticos

Message:

SAN Resin (Styrene / Acrylonitrile copolymer), great processability, high chemical resistance, good rate stiffness/impact, high gloss and tranparence

Applications:

household appliances

kitchenware

cosmetic pakaging

General Information			
Features	Good Chemical Resistance		
	Good Impact Resistance		
	Good Processability		
	Good Stiffness		
	High Clarity		
	High Gloss		
Uses	Appliances		
	Cosmetic Packaging		
	Household Goods		
	Kitchenware		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.08	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	11	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	66.7	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	3100	MPa	ASTM D790
Flexural Strength	108	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	16	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	102	°C	ASTM D1525 <sup>1</sup>
Optical	Nominal Value	Unit	Test Method
Transmittance (0.420 µm)	84.0	%	ASTM D1003
Injection	Nominal Value	Unit	
Drying Temperature	85.0	°C	
Drying Time	4.0	hr	

Rear Temperature	200 to 220	°C
Middle Temperature	220 to 240	°C
Front Temperature	225 to 245	°C
Nozzle Temperature	225 to 245	°C
Mold Temperature	40.0 to 80.0	°C

NOTE

1. Rate B (120°C/h), Loading 1 (10 N)

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