

Southland AES Resin

Acrylonitrile Ethylene Styrene

Southland Polymers

Message:

Southland AES Resin is an Acrylonitrile Ethylene Styrene (AES) product. It can be processed by extrusion or injection molding and is available in North America.

Characteristics include:

- Flame Rated
- Good Weather Resistance
- Impact Resistant

General Information			
Features	Good Impact Resistance		
	Good Weather Resistance		
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/21.6 kg)	30	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.40 to 0.70	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	108		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	53.9	MPa	ASTM D638
Tensile Elongation (Break)	22	%	ASTM D638
Flexural Modulus	2250	MPa	ASTM D790
Flexural Strength (Yield)	64.7	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.18 mm)	150	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	90.0	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (1.71 mm)	HB		UL 94

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