

Rotec® AES A 711

Acrylonitrile Ethylene Styrene

ROMIRA GmbH

Message:

Rotec® AES A 711 is an acrylonitrile ethylene styrene (AES) material. This product is available in Europe, and the processing method is injection molding.

Rotec® The main features of AES A 711 are:

flame retardant/rated flame

good weather resistance

General Information			
Features	Good liquidity		
	Good weather resistance		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.03	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	33	g/10 min	ISO 1133
Molding Shrinkage (23°C)	0.40 - 0.70	%	ISO 294-4
Water Absorption (23°C, 24 hr)	0.30	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2800	MPa	ISO 527-2/1
Tensile Stress (23°C)	44.0	MPa	ISO 527-2/50
Tensile Strain (Break, 23°C)	30	%	ISO 527-2/50
Flexural Modulus ¹ (23°C)	2400	MPa	ISO 178
Flexural Stress ² (23°C)	69.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	11	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	55	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	78.0	°C	ISO 75-2/A
Vicat Softening Temperature	96.0	°C	ISO 306/B50
CLTE - Flow (23 to 55°C)	8.5E-5	cm/cm/°C	ISO 11359-2
Flammability	Nominal Value		Test Method
Flame Rating (1.5 mm)	HB		UL 94
NOTE			
1.	2.0 mm/min		
2.	2.0 mm/min		

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