

Rotec® ASA E 610

Acrylonitrile Styrene Acrylate

ROMIRA GmbH

Message:

Rotec® ASA E 610 is an acrylonitrile-styrene-acrylate (ASA) material. This product is available in Europe and is processed by extrusion or injection molding.

Rotec® The main features of ASA E 610 are:

flame retardant/rated flame

Impact resistance

good weather resistance

General Information			
Features	Impact resistance, high		
	Good weather resistance		
Processing Method	Extrusion		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.06	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	10	g/10 min	ISO 1133
Molding Shrinkage (23°C)	0.30 - 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)	1800	MPa	ISO 527-2/1
Tensile Stress (23°C)	36.0	MPa	ISO 527-2/50
Tensile Strain (Break, 23°C)	25	%	ISO 527-2/50
Flexural Modulus ¹ (23°C)	1800	MPa	ISO 178
Flexural Stress ² (23°C)	54.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	25	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	No Break		ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	90.0	°C	ISO 75-2/A
Vicat Softening Temperature	95.0	°C	ISO 306/B50
Flammability	Nominal Value		Test Method
Flame Rating (1.6 mm)	HB		UL 94
NOTE			
1.	2.0 mm/min		
2.	2.0 mm/min		

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Recommended distributors for this material

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