

SITRALAC 45E-AS

Acrylonitrile Butadiene Styrene

SITRAPLAS GmbH

Message:

Material: Acrylnitril-Butadien-Styrol

General Information			
Resin ID (ISO 1043)	>ABS<		
Physical	Nominal Value	Unit	Test Method
Density	1.08	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	45	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	42.0	cm³/10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2200	MPa	ISO 527-2/1
Tensile Stress			
Yield	48.0	MPa	ISO 527-2/50
Break	40.0	MPa	ISO 527-2/5
Tensile Strain (Yield)	4.0	%	ISO 527-2/50
Nominal Tensile Strain at Break	45	%	ISO 527-2/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	22	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	No Break		ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	98.0	°C	ISO 306/B50
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm)	HB		UL 94

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Recommended distributors for this material

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