

DIALAC® E510B

Acrylonitrile Styrene Acrylate

UMG ABS, Ltd.

Message:

DIALAC® E510B is an Acrylonitrile Styrene Acrylate (ASA) material. It is available in Asia Pacific or North America. Primary attribute of DIALAC® E510B: RoHS Compliant.

General Information			
RoHS Compliance	RoHS Compliant		
UL File Number	E47016		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.06	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (220°C/10.0 kg)	9.00	cm ³ /10min	ISO 1133
Molding Shrinkage - Flow (23°C)	0.40 to 0.60	%	ISO 294-4
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 23°C)	95		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	1900	MPa	ISO 527-2
Tensile Stress (23°C)	41.0	MPa	ISO 527-2
Flexural Modulus ¹ (23°C)	2050	MPa	ISO 178
Flexural Stress ² (23°C)	55.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	5.0	kJ/m ²	
23°C	34	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	80.0	°C	ISO 75-2/Af
CLTE - Flow	9.0E-5	cm/cm/°C	ISO 11359-2
NOTE			
1.	2.0 mm/min		
2.	2.0 mm/min		

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Recommended distributors for this material

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