

ASTABLEND™ MNM21EF

Acrylonitrile Butadiene Styrene + Nylon

Marplex Australia Pty. Ltd.

Message:

ASTABLEND™ MNM21EF is an Acrylonitrile Butadiene Styrene + Nylon (ABS+Nylon) material. It is available in Asia Pacific, Latin America, or North America.

Important attributes of ASTABLEND™ MNM21EF are:

Good Aesthetics

Good Processability

Impact Resistant

UV Stabilized

Typical application of ASTABLEND™ MNM21EF: Automotive

General Information			
Additive	UV Stabilizer		
Features	Good Flow		
	Good Processability		
	Outstanding Surface Finish		
	Ultra High Impact Resistance		
Physical	Nominal Value	Unit	Test Method
Density	1.07	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (240°C/10.0 kg)	60.0	cm ³ /10min	ISO 1133
Water Absorption (Equilibrium, 23°C, 50% RH)	1.3	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (4.00 mm)	2100	MPa	ISO 527-2/50
Tensile Stress (4.00 mm)	45.0	MPa	ISO 527-2/50
Tensile Strain			ISO 527-2/50
Yield, 4.00 mm	3.0	%	
Break, 4.00 mm	25	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	12	kJ/m ²	
23°C	70	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature ¹			
0.45 MPa, Unannealed	88.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	63.0	°C	ISO 75-2/A
Vicat Softening Temperature	110	°C	ISO 306/B50
Injection	Nominal Value	Unit	
Drying Temperature	70.0 to 80.0	°C	

Drying Time	2.0	hr
Rear Temperature	240 to 250	°C
Middle Temperature	245 to 255	°C
Front Temperature	250 to 260	°C
Processing (Melt) Temp	245 to 265	°C
Mold Temperature	50.0 to 70.0	°C
Injection Pressure	60.0 to 120	MPa
Injection Rate	Moderate	
Back Pressure	0.100 to 0.500	MPa
Screw Speed	40 to 50	rpm
Clamp Tonnage	3.0 to 5.0	kN/cm ²

NOTE

1. 10.0 x 4.0 mm

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Recommended distributors for this material

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