

Kaneka MUH E1500

Acrylonitrile Butadiene Styrene

Kaneka Corporation

Message:

Kaneka MUH E1500 is an acrylonitrile butadiene styrene (ABS) material. This product is available in North America and is processed by injection molding. The main features of Kaneka MUH E1500 are:

- high liquidity
- Good processability
- Impact resistance
- Heat resistance

Typical application areas include:

- Automotive Industry
- Electrical/electronic applications

General Information			
Features	Impact resistance, good		
	Good formability		
	High liquidity		
	Heat resistance, high		
Uses	Electrical/Electronic Applications		
	Application in Automobile Field		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.50 - 0.80	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	110		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	50.0	MPa	ASTM D638
Tensile Elongation (Break)	15	%	ASTM D638
Flexural Modulus	2650	MPa	ASTM D790
Flexural Strength	77.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (6.40 mm)	110	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	115	°C	ASTM D648
Optical	Nominal Value		Test Method
Gardner Gloss (60°)	90		ASTM D523
Additional Information			

Reflective Rate Mirror, ASTM D523, 60°: 90 %Reflective Rate Texture, ASTM D523, 60°: 5 %Spiral Flow, Kaneka Method, 482°F, 3 mm: 18.5 in

Injection	Nominal Value	Unit
Drying Temperature	105	°C
Drying Time	3.0	hr
Rear Temperature	240 - 260	°C
Middle Temperature	240 - 260	°C
Front Temperature	240 - 260	°C
Processing (Melt) Temp	280	°C
Mold Temperature	50.0	°C

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