Kaneka MUH LG5012

Acrylonitrile Butadiene Styrene

Kaneka Corporation

Message:

Kaneka MUH LG5012 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 LG5012 are:
low gloss
Good processability
Impact resistance
Heat resistance
Typical application areas include:
Electrical/electronic applications
Automotive Industry

General Information			
Features	Gloss, low Impact resistance, good Good formability 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/cm³	ASTM D792
Molding Shrinkage - Flow	0.50 - 0.80	%	ASTM D955
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	106		ASTM D785
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength	46.0	MPa	ASTM D638
Tensile Elongation (Break)	19	%	ASTM D638
Flexural Modulus	2300	MPa	ASTM D790
Flexural Strength	72.0	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact			ASTM D256
-30°C, 3.20 mm	90	J/m	ASTM D256
-30°C, 6.40 mm	80	J/m	ASTM D256
23°C, 3.20 mm	220	J/m	ASTM D256
23°C, 6.40 mm	200	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			ASTM D648

0.45 MPa, not annealed	105	°C	ASTM D648
1.8 MPa, not annealed	94.0	°C	ASTM D648
CLTE - Flow	8.0E-5	cm/cm/°C	ASTM D696

Optical	Nominal Value	Test Method
Gardner Gloss (60°)	22	ASTM D523

Additional Information
Coefficient of Linear Thermal Expansion, Kaneka Method, flow: 7-9 E-5 cm/cm/°CMold Shrinkage, Kaneka Method, flow, 73°F: 5-8 mil/inSpiral Flow, Kaneka Method, 482°F: 26 inReflective Rate, Kaneka Method, 60°, 73°F: 22 %

Recommended distributors for this material

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