KUMHO PETROCHEMICAL

beyond the best

Technical Data Sheet

FR ABS(Flame retardant Acrylonitrile Butadiene Styrene)
HFA 710 NT

Features Non-TBBA, General Purpose
Applications OA instrument, Electronics

Physical	Test Method	Value
Density	ASTM D792	1.18 g/cm^3
Melt Flow Index (200℃, 21.6kg)	ASTM D1238	110 g/10min
Mold Shirinkage	ASTM D955	0.4 ~ 0.7 %
Water absorption	ASTM D570	0.3 %

Mechanical	Test Method	Value
Tensile Strength	ASTM D638	400 kg/cm^2
Elongation	ASTM D638	20 %
Flexural Strength	ASTM D790	600 kg/cm^2
Flexural Modulus	ASTM D790	23,000 kg/cm^2
Izod Impact Strength(3.2mm)	ASTM D256	18 kgcm/cm
Rockwell Hardness(R scale)	ASTM D785	100

Thermal	Test Method	Value
Heat Deflection Temperature(18.6kgf/cm^2)	ASTM D648	75 ℃
Vicat Softening Temperature(1kg, 50℃/h)	ASTM D1525	90 ℃

Flammability	Test Method	Value
Flame Rating - UL (2.0mm)	UL 94	V-0
Flame Rating - UL (3.0mm)	UL 94	V-0, 5VB

Rev:2023-01-31

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Molding Condition

Injention Guide	Unit	Value
Nozzle	℃	200~220
Front	℃	200~220
Middle	℃	200~220
Rear	℃	190~210
Hopper Throat	℃	45
Mold	℃	40~60

Drying	Unit	Value
Temperature	℃	60~80
Time	hr	2~4

Notes

These are just typical properties, not specifications. Users should confirm results by their own test.

Processing

HFA 710 NT can be injection molded under different conditions depending on machinery available and articles molded. It is suitable for gas assisted injection molding.

Customer Notice

Customers are responsible for reviewing their manufacturing processes and their applications of KKPC Products from the standpoint of human health and environmental quality to ensure that KKPC products are not used in ways for which they are not suitable. KKPC personnel are available to answer questions and to provide reasonable technical support. KKPC product literature, including safety data sheets, should be consulted prior to the use of KKPC products. Current safety data sheets are available from KKPC.

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