

HFA 705

ABS

Kumho Petrochemical Co., Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	90	g/10min	ASTM D 1238
Temperature	200	°C	-
Load	21.6	kg	-
Mold Shrinkage, MD	0.0055	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data			
Tensile Strength	45.1	MPa	ASTM D 638
Flexural Modulus	2354	MPa	ASTM D 790
Flexural Strength	63.7	MPa	ASTM D 790
Rockwell Hardness	R 102	-	ASTM D 785
Izod Impact unnotched, 1/8 in	147	J/m	ASTM D 256
Thermal properties			
ASTM Data			
UL 94 Flame rating	V-0	-	UL 94
Thickness tested	2.1	mm	-
DTUL @ 264 psi	78	°C	ASTM D 648
Vicat Temperature	96	°C	ASTM D 1525
Other properties			
Density	1180	kg/m ³	ASTM D 792
Processing Recommendation Injection Molding			
Pre-drying - Temperature	60 - 80	°C	-
Pre-drying - Time	2 - 4	h	-
Mold temperature	40 - 60	°C	-
Zone 1	190 - 210	°C	-
Zone 2	200 - 220	°C	-
Zone 3	200 - 220	°C	-
Nozzle temperature	200 - 220	°C	-

Characteristics**Processing**

Injection Molding

Applications

Electrical and Electronical

Special Characteristics

Flame retardant, U.V. stabilized or stable to weather

Regional Availability

North America, Europe, Asia Pacific