



FH44(+)

File Number: E140331

Yellow Card® 

COMPANY

HANWHA TOTAL PETROCHEMICAL Co Ltd
411-1 DOKGOD-RI
DAESAN-UP
SEOSAN-SI
CHUNGNAM, 356-711 Republic of Korea

MODEL INFO

FH44(+)
Polypropylene (PP), modified, furnished as pellets
+ – May represented by one, two, three, four and five number(s) and/or letter(s).

FLAMMABILITY PROPERTIES	VALUE	TEST METHOD
Flammability		ANSI/UL 94
0.75 mm, Color: ALL	V-0	
1.5 mm, Color: ALL	V-0	
3.0 mm, Color: ALL	V-0	
ISO/IEC FLAMMABILITY PROPERTIES	VALUE	TEST METHOD
Flammability		IEC 60695-11-10
0.75 mm, Color: ALL	V-0	
1.5 mm, Color: ALL	V-0	
3.0 mm, Color: ALL	V-0	
Glow Wire Ignition Temperature (GWIT)		IEC 60695-2-13
0.75 mm	750 °C	
3.0 mm	800 °C	
Glow Wire Flammability Index (GWFI)		IEC 60695-2-12

0.75 mm	960 °C	
3.0 mm	960 °C	
ELECTRICAL PROPERTIES	VALUE	TEST METHOD
Hot-wire Ignition (HWI)		UL 746A
0.75 mm	PLC 3	
1.5 mm	PLC 3	
3.0 mm	PLC 2	
High Amp Arc Ignition (HAI)		UL 746A
0.75 mm	PLC 0	
1.5 mm	PLC 0	
3.0 mm	PLC 0	
Comparative Tracking Index (CTI)	PLC 0	UL 746A
Dielectric Strength	71 kV/mm	ASTM D149
High Voltage Arc Tracking Rate (HVTR)	PLC 1	
Volume Resistivity	1.0E+11 ohms-cm	ASTM D257/IEC 60093
High Voltage, Low Current Arc Resistance	PLC 6	
THERMAL PROPERTIES	VALUE	TEST METHOD
Relative Thermal Index - Electrical Strength		UL 746B
0.75 mm	115 °C	
1.5 mm	115 °C	
3.0 mm	115 °C	
Relative Thermal Index - Mechanical Impact		UL 746B
0.75 mm	115 °C	
1.5 mm	115 °C	
3.0 mm	115 °C	
Relative Thermal Index - Mechanical Strength		UL 746B
0.75 mm	120 °C	
1.5 mm	120 °C	

3.0 mm	120 °C
Ball Pressure Temperature	125 °C

Report Date: 1995-08-04
Revision Date: 2017-07-12

The appearance of a company's name or product in this database does not in itself assure that products so identified have been manufactured under UL's Follow-Up Service. Only those products bearing the UL Mark should be considered to be Certified and covered under UL's Follow-Up Service. Always look for the Mark on the product.

UL permits the reproduction of the material contained in the Online Certification Directory subject to the following conditions: 1. The Guide Information, Assemblies, Constructions, Designs, Systems, and/or Certifications (files) must be presented in their entirety and in a non-misleading manner, without any manipulation of the data (or drawings). 2. The statement "Reprinted from the Online Certifications Directory with permission from UL" must appear adjacent to the extracted material. In addition, the reprinted material must include a copyright notice in the following format: "© 2021 UL LLC"