

**NORYL™ Resin HMC3008V**

(PPE+PS)-(CF+GF)

Saudi Basic Industries Corporation (SABIC)

**Product Texts**

NORYL HMC3008V compound is based on Polyphenylene Ether (PPE) resin containing carbon fiber, glass fiber and minerals (total 26%). Added features of this grade include: Electrically Conductive, Non-Halogenated Flame Retardant, Dimensional Stability.

UL Yellow Card Link [E45587-237042](https://www.ul.com/yellowcard/E45587-237042)

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	10.6	g/10min	ASTM D 1238
Temperature	300	°C	-
Load	5	kg	-

Mechanical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Izod Impact notched, 1/8 in	66.4	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Burning behav. at 1.5 mm nom. thickn.	V-1	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	3.0	mm	-

Electrical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Surface Resistivity	42000	Ohm	ASTM D 257

Other properties	Value	Unit	Test Standard
Density	1260	kg/m <sup>3</sup>	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	2 - 4	h	-
Melt temperature	290 - 310	°C	-
Mold temperature	80 - 110	°C	-
Zone 1	270 - 290	°C	-
Zone 2	270 - 290	°C	-
Zone 3	280 - 300	°C	-

**Characteristics****Processing**

Injection Molding

**Special Characteristics**

Increased electrical conductivity, Flame retardant

**Additives**

Flame retarding agent

**Regional Availability**

North America, Europe, Asia Pacific