

**NORYL™ Resin HM4025H - Asia**

(PPE+PS)-(GF+MF)40

Saudi Basic Industries Corporation (SABIC)

**Product Texts**

NORYL™ HM4025H resin is a 40% glass and mineral filled blend of polyphenylene ether (PPE) + high impact polystyrene (HIPS). This high flow, injection moldable grade contains non-brominated, non-chlorinated flame retardant and carries a UL94 flame ratings of 5VB and V1. NORYL HM4025H resin exhibits good dimensional stability, Low warpage, and low moisture absorption. It is an excellent candidate for printer chassis and other consumer electronic components.

UL Yellow Card Link [E207780-228551](https://www.ul.com/yellow-card/E207780-228551)

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Melt Flow Index, MFI	15.4	g/10min	ASTM D 1238
Temperature	300	°C	-
Load	2.16	kg	-

Mechanical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Flexural Modulus	10290	MPa	ASTM D 790
Flexural Strength	154	MPa	ASTM D 790
Rockwell Hardness	M 90	-	ASTM D 785
Izod Impact notched, 1/8 in	68	J/m	ASTM D 256

Electrical properties	Value	Unit	Test Standard
<b>ASTM Data</b>			
Surface Resistivity	>1E15	Ohm	ASTM D 257

Other properties	Value	Unit	Test Standard
Density	1440	kg/m <sup>3</sup>	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	105 - 110	°C	-
Pre-drying - Time	3 - 4	h	-
Processing humidity	≤0.02	%	-
Melt temperature	295 - 315	°C	-
Mold temperature	75 - 105	°C	-
Zone 1	260 - 305	°C	-
Zone 2	270 - 310	°C	-
Zone 3	280 - 315	°C	-
Screw speed	20 - 100	rpm	-
Back pressure	0.3 - 0.7	MPa	-

**Characteristics****Processing**

Injection Molding

**Special Characteristics**

Flame retardant

**Additives**

Flame retarding agent

**Regional Availability**

Asia Pacific