

NORYL™ Resin ZM3640 - Asia

(PPE+PS)-MF

Saudi Basic Industries Corporation (SABIC)

Product Texts

NORYL™ ZM3640 resin is a mineral reinforced blend of polyphenylene ether (PPE) + high impact polystyrene (HIPS). This grade contains non-brominated, non-chlorinated flame retardant and has a UL94 flame rating of V1 at 1.5mm. NORYL ZM3640 resin exhibits high heat resistance, low warpage, good dimensional stability and is an excellent candidate for printer chassis applications.

UL Yellow Card Link [E207780-100140832](https://www.ul.com/yellow-card/E207780-100140832)

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	24	g/10min	ASTM D 1238
Temperature	300	°C	-
Load	2.16	kg	-

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	60	MPa	ASTM D 638
Elongation at Break	4	%	ASTM D 638
Izod Impact notched, 1/8 in	35	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Burning behav. at 1.5 mm nom. thickn.	V-1	class	IEC 60695-11-10
Thickness tested	1.5	mm	-

Other properties	Value	Unit	Test Standard
Density	1220	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	90 - 95	°C	-
Pre-drying - Time	3 - 4	h	-
Processing humidity	≤0.02	%	-
Melt temperature	255 - 280	°C	-
Mold temperature	65 - 90	°C	-
Zone 1	220 - 270	°C	-
Zone 2	230 - 275	°C	-
Zone 3	245 - 280	°C	-
Screw speed	20 - 100	rpm	-
Back pressure	0.3 - 0.7	MPa	-

Characteristics**Processing**

Injection Molding

Additives

Flame retarding agent

Special Characteristics

Flame retardant

Regional Availability

Asia Pacific