

NORYL™ Resin ZM3242 - Asia

(PPE+PS)-MF30

Saudi Basic Industries Corporation (SABIC)

Product Texts

NORYL™ ZM3242 resin is a 30% mineral reinforced blend of polyphenylene ether (PPE) + high impact polystyrene (HIPS). This injection moldable grade exhibits super low warpage and contains non-brominated, non-chlorinated flame retardant with a UL94 flame rating of V1 at 1.2mm. NORYL ZM3242 resin contains mold release and may be an excellent candidate for consumer electronic / document handling applications.

UL Yellow Card Link [E207780-309727](https://www.ul.com/yellow-card/E207780-309727)

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	27	g/10min	ASTM D 1238
Temperature	300	°C	-
Load	2.16	kg	-

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Break	65	MPa	ASTM D 638
Elongation at Break	6	%	ASTM D 638
Flexural Modulus	5770	MPa	ASTM D 790
Izod Impact notched, 1/8 in	23	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Burning behav. at thickness h	V-1	class	IEC 60695-11-10
Thickness tested	1.2	mm	-

Other properties	Value	Unit	Test Standard
Density	1350	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	90 - 100	°C	-
Pre-drying - Time	2 - 4	h	-
Melt temperature	280 - 300	°C	-
Mold temperature	70 - 90	°C	-
Zone 1	260 - 280	°C	-
Zone 2	270 - 290	°C	-
Zone 3	280 - 300	°C	-

Characteristics**Processing**

Injection Molding

Special Characteristics

Flame retardant

Additives

Flame retarding agent

Regional Availability

Asia Pacific