

NORYL™ ZM3242 resin

Polyphenylene Ether + PS

SABIC Innovative Plastics Asia Pacific

Message:

Modified PPO* 30% mineral filled products, Non Halogenated Flame Retardant V-1 products. Supper low warpage series, HDT 110degC

General Information			
UL YellowCard	E207780-309727		
Filler / Reinforcement	Mineral,30% Filler by Weight		
Features	Flame Retardant		
	Halogen Free		
	Low Warpage		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.35	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/2.16 kg)	27	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.40	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Break)	65.0	MPa	ASTM D638
Tensile Elongation ² (Break)	6.0	%	ASTM D638
Flexural Modulus ³ (50.0 mm Span)	5780	MPa	ASTM D790
Flexural Strength ⁴ (Yield, 50.0 mm Span)	104	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	23	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.40 mm)	110	°C	ASTM D648
CLTE			ASTM E831
Flow : -40 to 40°C	4.0E-5	cm/cm/°C	
Transverse : -40 to 40°C	5.1E-5	cm/cm/°C	
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm, Testing by SABIC)	V-1		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	90.0 to 100	°C	
Drying Time	2.0 to 4.0	hr	
Rear Temperature	260 to 280	°C	
Middle Temperature	270 to 290	°C	
Front Temperature	280 to 300	°C	
Nozzle Temperature	280 to 300	°C	

Processing (Melt) Temp	280 to 300	°C
Mold Temperature	70.0 to 90.0	°C
NOTE		
1.	Type I, 5.0 mm/min	
2.	Type I, 5.0 mm/min	
3.	1.3 mm/min	
4.	1.3 mm/min	

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