

NORYL™ EM7301HF resin

Polyphenylene Ether + PS
SABIC Innovative Plastics Asia Pacific

Message:
Easy flow, 10% glass filled, improved adhesion PPO/HIPS alloy.

General Information			
Filler / Reinforcement	Glass Fiber,10% Filler by Weight		
Features	Good Adhesion		
	Good Flow		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.11	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	71.1	MPa	ASTM D638
Tensile Elongation ² (Break)	6.0	%	ASTM D638
Flexural Modulus ³ (50.0 mm Span)	3590	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)	80	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
1.8 MPa, Unannealed, 3.20 mm	112	°C	
1.8 MPa, Unannealed, 6.40 mm	113	°C	
Injection	Nominal Value	Unit	
Drying Temperature	100 to 110	°C	
Drying Time	2.0 to 4.0	hr	
Drying Time, Maximum	8.0	hr	
Processing (Melt) Temp	260 to 290	°C	
Mold Temperature	70.0 to 90.0	°C	
NOTE			
1.	Type I, 50 mm/min		
2.	Type I, 50 mm/min		
3.	1.3 mm/min		
4.	1.3 mm/min		

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