

NORYL™ HM3020H resin

Polyphenylene Ether + PS

SABIC Innovative Plastics Asia Pacific

Message:

PPE+PS GF+MF 30% filled, FR V-1, high flow

General Information			
UL YellowCard	E45587-237036	E207780-228550	
Filler / Reinforcement	Glass\Mineral,30% Filler by Weight		
Features	High Flow		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.33	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/2.16 kg)	18	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.25 to 0.30	%	Internal Method
Water Absorption (24 hr)	0.060	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	88		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	116	MPa	Internal Method
Tensile Elongation (Break)	4.0 to 6.0	%	Internal Method
Flexural Modulus	7940	MPa	ASTM D790
Flexural Strength	147	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	58	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.40 mm)	125	°C	ASTM D648
CLTE - Flow (-30 to 30°C)	2.4E-5 to 3.4E-5	cm/cm/°C	ASTM E831
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+16	ohms	ASTM D257

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Recommended distributors for this material

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