NORYL™ RESIN HM3020H

REGION ASIA

DESCRIPTION

NORYL™ HM3020H resin is a 30% glass and mineral filled blend of polyphenylene ether (PPE) + high impact polystyrene (HIPS). This high flow, injection moldable grade contains non-brominated, non-chlorinated flame retardant and carries a UL94 flame ratings of 5VB and V1. NORYL HM3020H resin exhibits good dimensional stabily, Low warpage, and low moisture absorption. It is an excellent candidate for printer chassis and components.

TYPICAL PROPERTY VALUES

Revision 20190517

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, yield	115	MPa	SABIC - Japan Method
Tensile Strain, break	4 – 6	%	SABIC - Japan Method
Flexural Stress	147	MPa	ASTM D 790
Flexural Modulus	7940	MPa	ASTM D 790
Hardness, Rockwell M	88	-	ASTM D 785
IMPACT			
Izod Impact, notched, 23°C	58	J/m	ASTM D 256
THERMAL			
HDT, 1.82 MPa, 6.4 mm, unannealed	125	°C	ASTM D 648
CTE, -30°C to 30°C	0.000024 – 0.000034	1/°C	TMA
PHYSICAL			
Specific Gravity	1.33	-	ASTM D 792
Water Absorption, 24 hours	0.06	%	ASTM D 570
Mold Shrinkage, flow, 3.2 mm	0.25 – 0.3	%	SABIC method
Melt Flow Rate, 300°C/2.16 kgf	17.7	g/10 min	ASTM D 1238
ELECTRICAL			
Surface Resistivity	1.E+16	Ohm	ASTM D 257

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