

NORYL GTX™ APS430 resin

Polyphenylene Sulfide + PPE

SABIC Innovative Plastics Asia Pacific

Message:

PPE + PPS GF 30%, FR V-0

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	Flame Retardant		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.48	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/5.0 kg)	44	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.30 to 0.70	%	Internal Method
Water Absorption (24 hr)	0.020	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	123	MPa	Internal Method
Tensile Elongation (Break)	10	%	Internal Method
Flexural Modulus	8620	MPa	ASTM D790
Flexural Strength	167	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	78	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.40 mm)	255	°C	ASTM D648
CLTE - Flow (-30 to 30°C)	1.8E-5 to 5.8E-5	cm/cm/°C	ASTM E831
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+16	ohms	ASTM D257
Dielectric Constant			ASTM D150
50 Hz	3.30		
60 Hz	3.30		
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.800 mm)	V-0		UL 94

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Recommended distributors for this material

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