

Norpex® PPE AX20GF

Polyphenylene Ether

Custom Resins Group

Message:

General purpose, 20 % glass fiber-reinforced poly(phenylene ether) (PPE) alloy

Areas of application include water contact areas such as impellers and pump housings

Suitable for applications such as motor housings which require high modulus and distortion temperature

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Features	Low to No Water Absorption		
Uses	Housings		
	Pump Parts		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.21	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.20 to 0.40	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	96.5	MPa	ASTM D638
Flexural Modulus	4830	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	110	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	141	°C	ASTM D648

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