

Technical Data Sheet

Diamaloy QR-1200GF16-GY21838GRY



Polycarbonate + ABS

Product Description

Diamaloy QR-1200GF16-GY21838GRY is a Polycarbonate + ABS Glass Fiber, 16% filled material. Features include: High Heat Resistance.

Attribute High Heat Resistance

Forms Pellets

Application General Purpose

Filler/Reinforcement Glass Fiber, 16%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Density - Specific Gravity	1.26	g/cm ³	ASTM D792
Mechanical			
Tensile Strength at Yield	82.7	MPa	ASTM D638
Flexural Strength at Yield	130	MPa	ASTM D790
Flexural Modulus	5000	MPa	ASTM D790
Impact			
Notched Izod Impact, (23 °C)	76	J/m	ASTM D256
Thermal			
Deflection Temperature Under Load Unannealed (264 psi)	121	°C	ASTM D648

Injection Parameters	Nominal Value	Units
Drying Time	2.0 to 4.0	hr
Drying Temperature	82 to 121	°C
Nozzle Temperature	232 to 288	°C
Processing (Melt) Temp	232 to 288	°C
Front Temperature	232 to 288	°C
Middle Temperature	232 to 288	°C
Rear Temperature	232 to 260	°C
Mold Temperature	43 to 82	°C