

Technical Data Sheet



Diamaloy QR-1200GF16-GY21838GRY

Polycarbonate + ABS

Product Description

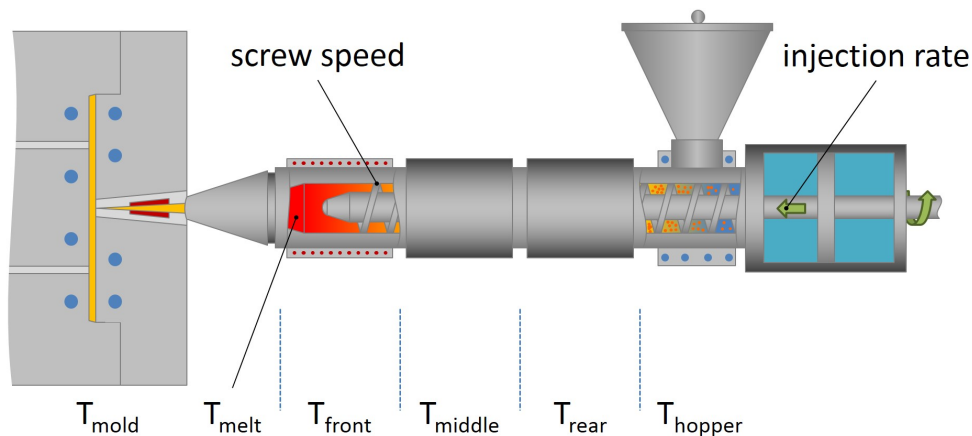
Diamaloy QR-1200GF16-GY21838GRY is a Polycarbonate + ABS Glass Fiber, 16% filled material. Features include: High Heat Resistance.

Regulatory Status

For regulatory compliance information, see QR-1200GF16-GY21838GRY [Product Stewardship Bulletin \(PSB\) and Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	North America
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

Notes

These are typical property values not to be construed as specification limits.

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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