

Technical Data Sheet

Diamond QR-0300GF20-BKBLK



Styrene Acrylonitrile

Product Description

Diamond QR-0300GF20-BKBLK is a Styrene Acrylonitrile Glass Fiber, 20% filled material. Features include: Good Impact Resistance, Good Toughness, and UV Resistant.

Attribute	Good Impact Resistance; Good Toughness; UV Resistant
Forms	Pellets
Appearance	Black; Colors Available
Filler/Reinforcement	Glass Fiber, 20%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/3.8 kg)	4.0	g/10 min	ASTM D1238
Density - Specific Gravity	1.21 to 1.22	g/cm ³	ASTM D792
Mechanical			
Tensile Stress at Yield, (1270 mm/min)	114	MPa	ISO 527-2
Flexural Modulus, (1.27 mm, Tangent)	8.17	MPa	ISO 178
Impact			
Notched Izod Impact, (23 °C)	49	J/m	ASTM D256

Injection Parameters	Nominal Value	Units
Drying Time	2.0 to 4.0	hr
Drying Temperature	79	°C
Processing (Melt) Temp	238 to 288	°C
Mold Temperature	43 to 71	°C
Drying Time, Maximum	4	hr