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Technical Data Sheet

Diamond 1011594CT SAN E-15329 WWHI



Styrene Acrylonitrile

Product Description

SAN Graphite/Glass

Processing Method Injection Molding

Filler/Reinforcement Glass Fiber, 30%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate	2.0 to 15	g/10 min	ASTM D1238
Density - Specific Gravity, (Method A)	1.28 to 1.33	g/cm ³	ASTM D792
Mechanical			
Tensile Strength at Yield, (5.0 mm/min, 23 °C, Type I)	48.3	MPa	ASTM D638
Flexural Modulus, (1.3 mm/min, 23 °C, Procedure A, Method I (3 point load), Type I)	6900	MPa	ASTM D790
Impact			
Notched Izod Impact, (23 °C, Method A)	21	J/m	ASTM D256

Injection Parameters	Nominal Value	Units
Drying Time	2.0 to 4.0	hr
Drying Temperature	82	°C
Processing (Melt) Temp	199 to 282	°C
Injection Rate	Moderate-Fast	
Mold Temperature	60	°C