

# Diamond QR-0300GF20-BKBLK

LyondellBasell Industries - Styrene Acrylonitrile

## General Information

### 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.

### General

Filler / Reinforcement	• Glass Fiber, 20% Filler by Weight		
Features	• Good Impact Resistance	• Good Toughness	• UV Resistant
Appearance	• Black	• Colors Available	
Forms	• Pellets		

## Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.21 to 1.22		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	4.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	16500	psi	ISO 527-2/1270
Flexural Modulus - Tangent (0.0500 in)	1180	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	0.92	ft·lb/in	ASTM D256

## Processing Information

Injection	Nominal Value	Unit
Drying Temperature	174	°F
Drying Time	2.0 to 4.0	hr
Drying Time, Maximum	4.0	hr
Suggested Max Moisture	0.10	%
Processing (Melt) Temp	455 to 509	°F
Mold Temperature	109 to 160	°F