

Diamond QR-2005-BK(RB)BLK

LyondellBasell Industries - Acrylonitrile Butadiene Styrene

General Information

Product Description

Available with either high or low gloss.

General

Features	• Good Impact Resistance
Appearance	• Colors Available • Natural Color
Forms	• Pellets
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.06		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	17	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	6660	psi	ASTM D638
Flexural Modulus	361000	psi	ASTM D790
Flexural Strength (Yield)	10200	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	2.8	ft-lb/in	ASTM D256

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	199	°F
Drying Time	2.0 to 4.0	hr
Drying Time, Maximum	4.0	hr
Rear Temperature	370 to 410	°F
Middle Temperature	399 to 410	°F
Front Temperature	421 to 460	°F
Nozzle Temperature	> 421	°F
Processing (Melt) Temp	421 to 500	°F
Mold Temperature	120 to 160	°F