Diamond QR-2005IM(D)-BK

LyondellBasell Industries - Acrylonitrile Butadiene Styrene

General Information

Product Description

Available with either high or low gloss.

General

Features	• High Impact Resistance
Appearance	• Colors Available
Forms	• Pellets
Processing Method	• Injection Molding

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.04		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	5.0	g/10 min	ASTM D1238
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Yield)	6400	psi	ASTM D638
Flexural Modulus	339000	psi	ASTM D790
Flexural Strength (Yield)	10500	psi	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact			ASTM D256
-40°F	1.2	ft·lb/in	
73°F	6.9	ft·lb/in	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (66 psi, Unannealed)	200	°F	ASTM D648
Deflection Temperature Under Load			ASTM D648
264 psi, Unannealed	185	°F	

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 441	°F
Front Temperature	421 to 460	°F
Nozzle Temperature	421 to 500	°F
Processing (Melt) Temp	421 to 500	°F
Mold Temperature	120 to 160	°F