



Diamond QR-2005IM(D)-EB25602BLK

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 264 psi, Unannealed	185	°F	ASTM D648

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