

Diamond QR-5020-BKBLK

LyondellBasell Industries - Polyetherimide + PC

General Information

Product Description

QR-5020 is available with Release (R)

General

Additive	<ul style="list-style-type: none"> Mold Release
Features	<ul style="list-style-type: none"> Chemical Resistant Good Mold Release Good Toughness High Heat Resistance
Appearance	<ul style="list-style-type: none"> Colors Available Natural Color
Forms	<ul style="list-style-type: none"> Pellets

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.27		ASTM D792
Melt Mass-Flow Rate (MFR) (337°C/6.6 kg)	20	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	14900	psi	ASTM D638
Flexural Modulus	460000	psi	ASTM D790
Flexural Strength (Yield)	20000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	0.81	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	403	°F	ASTM D648
Deflection Temperature Under Load 264 psi, Unannealed	379	°F	ASTM D648

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	300	°F
Drying Time	4.0 to 6.0	hr
Drying Time, Maximum	6.0	hr
Rear Temperature	610 to 649	°F
Middle Temperature	621 to 669	°F
Front Temperature	649 to 700	°F
Nozzle Temperature	640 to 680	°F
Processing (Melt) Temp	649 to 700	°F
Mold Temperature	270 to 320	°F