

HiFill® PC Rx1851 PURPLE 520C

 Techmer Polymer Modifiers - *Polycarbonate*
General Information
General

Material Status	<ul style="list-style-type: none"> Commercial: Active
Availability	<ul style="list-style-type: none"> North America
Appearance	<ul style="list-style-type: none"> Purple
Processing Method	<ul style="list-style-type: none"> Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.19		ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	31	g/10 min	ASTM D1238
Moisture (284°F)	0.040	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	9100	psi	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (0.125 in)	2.3	ft·lb/in	ASTM D256

Processing Information

Injection	Nominal Value	Unit
Drying Temperature	250	°F
Drying Time	2.0 to 4.0	hr
Rear Temperature	510 to 550	°F
Middle Temperature	520 to 560	°F
Front Temperature	530 to 570	°F
Nozzle Temperature	540 to 580	°F
Processing (Melt) Temp	525 to 585	°F
Mold Temperature	125 to 225	°F
Injection Rate	Slow-Moderate	
Back Pressure	25.0 to 75.0	psi
Screw Speed	Moderate	

Notes

¹ Typical properties: these are not to be construed as specifications.

