

HiFill® PC R GY143

 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
Features	<ul style="list-style-type: none"> Low Smoke Emission
Appearance	<ul style="list-style-type: none"> Colors Available
Forms	<ul style="list-style-type: none"> Pellets
Processing Method	<ul style="list-style-type: none"> Injection Molding

Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	1.20		ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	12	g/10 min	ASTM D1238
Molding Shrinkage - Flow (0.125 in)	6.0E-3	in/in	ASTM D955
Water Absorption (24 hr)	0.15	%	ASTM D570
Mechanical			
Nominal Value Unit Test Method			
Tensile Strength (Yield)	8300	psi	ASTM D638
Tensile Elongation (Break)	6.0	%	ASTM D638
Flexural Modulus	330000	psi	ASTM D790
Flexural Strength (Yield)	12000	psi	ASTM D790
Impact			
Nominal Value Unit Test Method			
Notched Izod Impact (0.125 in)	14	ft-lb/in	ASTM D256
Hardness			
Nominal Value Unit Test Method			
Rockwell Hardness (R-Scale)	118		ASTM D785
Thermal			
Nominal Value Unit Test Method			
Deflection Temperature Under Load (66 psi, Unannealed)	273	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Unannealed)	259	°F	ASTM D648
CLTE - Flow	3.9E-5	in/in/°F	ASTM D696

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