

HiFill® PC / ABS 720 BK

Techmer Polymer Modifiers - *Polycarbonate + ABS*

General

Material Status	• Commercial: Active
Availability	• North America
Appearance	• Black
Forms	• Pellets
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.21		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	1.5	g/10 min	ASTM D1238
Water Absorption (24 hr)	0.10	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	7700	psi	ASTM D638
Tensile Elongation (Yield)	110	%	ASTM D638
Flexural Modulus	380000	psi	ASTM D790
Flexural Strength	14300	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°F, 0.125 in	1.9	ft·lb/in	
73°F, 0.125 in	8.0	ft·lb/in	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	115		ASTM D785
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	275	°F	ASTM D648
CLTE - Flow	3.5E-5	in/in/°F	ASTM D696
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

