

HiFill® PC / ABS 8100 UV

Techmer Polymer Modifiers - Polycarbonate + ABS

General

Material Status	• Commercial: Active
Availability	• North America
Features	• UV Stabilized
Appearance	• Colors Available
Forms	• Pellets
Processing Method	• Profile Extrusion

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.12		ASTM D792
Melt Mass-Flow Rate (MFR)			ASTM D1238
230°C/3.8 kg	3.0	g/10 min	
260°C/5.0 kg	7.0	g/10 min	
Molding Shrinkage - Flow (0.125 in)	7.0E-3	in/in	ASTM D955
Water Absorption (24 hr)	0.10	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	6500	psi	ASTM D638
Tensile Strength (Break)	5400	psi	ASTM D638
Tensile Elongation (Yield)	35	%	ASTM D638
Flexural Modulus	340000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, 0.125 in)	8.0	ft·lb/in	ASTM D256
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)	175	°F	ASTM D648
CLTE - Flow	4.0E-5	in/in/°F	ASTM D696
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

