

**HiFill® PC / ABS 8100 UV**

 Techmer Polymer Modifiers - *Polycarbonate + ABS*
**General Information**
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Material Status	<ul style="list-style-type: none"> <li>Commercial: Active</li> </ul>
Availability	<ul style="list-style-type: none"> <li>North America</li> </ul>
Features	<ul style="list-style-type: none"> <li>UV Stabilized</li> </ul>
Appearance	<ul style="list-style-type: none"> <li>Colors Available</li> </ul>
Forms	<ul style="list-style-type: none"> <li>Pellets</li> </ul>
Processing Method	<ul style="list-style-type: none"> <li>Profile Extrusion</li> </ul>

**Properties <sup>1</sup>**

	Nominal Value	Unit	Test Method
<b>Physical</b>			
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
<b>Mechanical</b>			
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
<b>Impact</b>			
Notched Izod Impact (73°F, 0.125 in)	8.0	ft·lb/in	ASTM D256
<b>Hardness</b>			
Rockwell Hardness (R-Scale)	115		ASTM D785
<b>Thermal</b>			
Deflection Temperature Under Load (264 psi, Unannealed)	175	°F	ASTM D648
CLTE - Flow	4.0E-5	in/in/°F	ASTM D696
<b>Flammability</b>			
Flame Rating	HB		UL 94

