

**HiFill® PBT 2520 UV**

 Techmer Polymer Modifiers - *Polybutylene Terephthalate*
**General Information**
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Material Status	• Commercial: Active
Availability	• North America
Additive	• UV Stabilizer
Features	• Impact Modified      • UV Resistant
Appearance	• Colors Available
Processing Method	• Injection Molding

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

<b>Physical</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Density / Specific Gravity	1.22		ASTM D792
Molding Shrinkage - Flow (0.125 in)	0.024	in/in	ASTM D955
Water Absorption (24 hr)	0.10	%	ASTM D570
<b>Mechanical</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Tensile Strength (Break)	5000	psi	ASTM D638
Tensile Elongation (Break)	50	%	ASTM D638
Flexural Modulus	165000	psi	ASTM D790
Flexural Strength	6500	psi	ASTM D790
<b>Impact</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Notched Izod Impact			ASTM D256
-40°F, 0.125 in	11	ft·lb/in	
73°F, 0.125 in	14	ft·lb/in	
<b>Hardness</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Rockwell Hardness (R-Scale)	104		ASTM D785
<b>Thermal</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Deflection Temperature Under Load (66 psi, Unannealed)	245	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Unannealed)	120	°F	ASTM D648
CLTE - Flow	4.8E-5	in/in/°F	ASTM D696
<b>Electrical</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Volume Resistivity	1.0E+16	ohms·cm	ASTM D257
Dielectric Strength (Method A (Short-Time))	400	V/mil	ASTM D149
<b>Flammability</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Flame Rating (0.13 in)	HB		UL 94

