

# NeXt

## Extremely Durable Resin

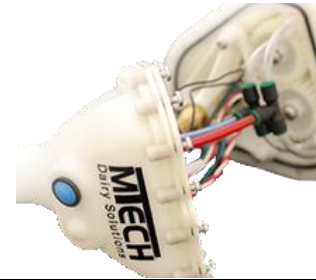
Ideal For Production Of Tough Complex Parts



### Applications

Low volume manufacturing applications ideal for functional end-use.  
Performance prototypes such as:

- Snap-fit designs
- Impellers
- Duct work
- Connectors and Electronic Covers
- Automotive Housings and Dashboard Assemblies
- Packaging and Sporting goods



### Physical Properties

Colour	White
Type	Simulates Tough Functional Thermoplastic

### Mechanical Properties

		TEST/ISO
Hardness (Shore D)	<b>82</b>	ATSM D2240
Flexural Strength (MPa)	<b>67.8 - 70.8</b>	ATSM D790
Flexural Modulus (MPa)	<b>2,415 - 2,525</b>	
Tensile Strength at Yield (MPa)	<b>41.1 - 43.3</b>	ATSM D638
Tensile Modulus (MPa)	<b>2,370 - 2,490</b>	
Elongation Break (%)	<b>8 - 10</b>	
Impact Strength (J/cm)	<b>0.47 - 0.52</b>	ATSM D256

### Thermal & Specific Properties

Glass Transition Temperature Tg (°C)	<b>43 - 47</b>	ATSM E831-05
Heat Deflection Temperature (°C)		ATSM D648
@ 66 PSI	<b>55 - 57</b>	
@ 264 PSI	<b>48 - 51</b>	
Co-efficient of Thermal Expansion (μ/m°C)		ATSM E831-05
TMA (T<Tg, -40 - 0°C)	<b>71.5 - 74.3</b>	
TMA (T<Tg, 0 - 50°C)	<b>106.5 - 114.5</b>	
TMA (T<Tg, 50 - 100°C)	<b>168.6 - 176.4</b>	
TMA (T<Tg, 100 - 150°C)	<b>168.8 - 176.4</b>	

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