

**Geon™ Vinyl Rigid Molding M3000**

PVC

GEON Performance Solutions

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Mold Shrinkage, MD	<b>0.0035</b>	mm/mm	ASTM D 955
<b>Mechanical properties</b>			
<b>ASTM Data</b>			
Tensile Modulus	<b>3100</b>	MPa	ASTM D 638
Tensile Strength at Yield	<b>51</b>	MPa	ASTM D 638
Flexural Modulus	<b>3100</b>	MPa	ASTM D 790
Flexural Strength	<b>91.7</b>	MPa	ASTM D 790
Shore D Hardness	<b>82</b>	-	ASTM D 2240
Izod Impact notched, 1/8 in	<b>53</b>	J/m	ASTM D 256
Izod Impact notched, 1/4 in	<b>37</b>	J/m	ASTM D 256
<b>Thermal properties</b>			
<b>ASTM Data</b>			
UL 94 Flame rating	<b>V-0</b>	-	UL 94
Thickness tested	<b>1.6</b>	mm	-
DTUL @ 66 psi	<b>72.8</b>	°C	ASTM D 648
DTUL @ 264 psi	<b>72.2</b>	°C	ASTM D 648
<b>Other properties</b>			
Density	<b>1400</b>	kg/m <sup>3</sup>	ASTM D 792
<b>Processing Recommendation Injection Molding</b>			
Melt temperature	<b>199 - 210</b>	°C	-

**Characteristics****Processing**

Injection Molding

**Delivery form**

Pellets

**Certifications**

Drinking water contact, Drinking water contact NSF 61

**Regional Availability**

North America, Europe, Asia Pacific, South and Central America, Near East/Africa