

# MARELON<sup>®</sup> COMPARISON CHART

	U.V. Degradation	Corrosion Resistance	Abrasion Resistance	Tensile Strength <sup>2</sup>	Flexural Modulus <sup>3</sup>	ABYC <sup>1</sup> Requirement	U.L. <sup>1</sup> Requirement	Total Score
<b>MARELON<sup>®</sup></b>	<b>10</b>	<b>10</b>	<b>10</b>	12,330 psi <b>10</b>	522,135 psi <b>10</b>	<b>10</b>	<b>10</b>	<b>70</b>
<b>NYLON 101</b>	<b>6</b>	<b>10</b>	<b>5</b>	11,750 psi <b>10</b>	400,000 psi <b>5</b>	<b>0</b>	<b>0</b>	<b>36</b>
<b>ACETAL</b>	<b>5</b>	<b>10</b>	<b>6</b>	10,000 psi <b>5</b>	400,000 psi <b>5</b>	<b>0</b>	<b>0</b>	<b>31</b>
<b>PVC</b>	<b>3</b>	<b>10</b>	<b>2</b>	2,378 psi <b>3</b>	390,000 psi <b>3</b>	<b>0</b>	<b>0</b>	<b>21</b>
<b>POLYPROPYLENE</b>	<b>8</b>	<b>10</b>	<b>7</b>	4,350 psi <b>2</b>	205,000 psi <b>2</b>	<b>0</b>	<b>0</b>	<b>29</b>
<b>BRONZE</b>	<b>10</b>	<b>4</b>	<b>10</b>	37,000 psi <b>10</b>	16,700,000 psi <sup>4</sup> <b>10</b>	<b>10</b>	<b>10</b>	<b>64</b>
<b>BRASS</b>	<b>10</b>	<b>0</b>	<b>10</b>	45,700 psi <b>10</b>	15,200,000 psi <sup>4</sup> <b>10</b>	<b>0</b>	<b>0</b>	<b>40</b>

Marelon<sup>®</sup> is a registered trademark of Forespar Products Corp.

<sup>1</sup> Minimum physical properties required for approval are:

Tensile strength 10,900psi / 75mPa

Flexural modulus 505,000psi / 3,480mPa

<sup>2</sup> Value by test to ASTM D638 (American Society of Testing & Materials)

<sup>3</sup> Value by test to ASTM D790 (American Society of Testing & Materials)

<sup>4</sup> Value is elastic modulus for metals