

**EMLON 6 FR V1**

PA6

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<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Molding shrinkage, parallel	<b>1.1</b>	%	ISO 294-4, 2577
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Tensile Modulus	<b>3150</b>	MPa	ISO 527
Tensile Strength	<b>75</b>	MPa	ISO 527
Strain at break	<b>4</b>	%	ISO 527
Izod notched impact strength, +23°C	<b>6</b>	kJ/m <sup>2</sup>	ISO 180/1A
Shore D hardness	<b>73</b>	-	ISO 7619-1
<b>Thermal properties</b>			
<b>ISO Data</b>			
Melting temperature, 10°C/min	<b>220</b>	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	<b>80</b>	°C	ISO 75-1/-2
Vicat softening temperature, B	<b>200</b>	°C	ISO 306
Burning behav. at thickness h	<b>V-1</b>	class	IEC 60695-11-10
<b>Other properties</b>			
Density	<b>1180</b>	kg/m <sup>3</sup>	ISO 1183
<b>Processing Recommendation Injection Molding</b>			
Pre-drying - Temperature	<b>80</b>	°C	-
Pre-drying - Time	<b>4 - 6</b>	h	-
Melt temperature	<b>250 - 300</b>	°C	-
Mold temperature	<b>80 - 100</b>	°C	-

**Characteristics****Processing**

Injection Molding, Other Extrusion

**Regional Availability**

Europe, Near East/Africa

**Special Characteristics**

Flame retardant