

Polyether bloc amide **PEBAX® MP 1878 SA 01** is a thermoplastic elastomer made of flexible polyether and rigid polyamide. Added to PA6, Pebax® MP1878 enhances the properties of PA6, especially at low temperatures and low humidity content, at the same time maintaining the transparency of the nylon film and improving its soft touch. This SA grade is specially designed to medical and food uses.

Main Characteristics	Value	Unit	Test Method
<b>Density</b>	<b>1.09</b>	g/cm <sup>3</sup>	ISO 1183
<b>Water Absorption at Equilibrium</b> at 20°C and 50 % RH	<b>1.35</b>	%	
<b>Water Absorption at Saturation</b> 24 h in water at 23°C	<b>6.7</b>	%	ISO 62
<b>Melting Point</b>	<b>195</b>	°C	ISO 11357
<b>Vicat Point</b> Under 1 daN	<b>169</b>	°C	ISO 306
<b>Hardness Shore (*)</b> Instantaneous After 15 s	<b>58</b> <b>54</b>	Shore D Shore D	ISO 868
<b>Flexural Modulus (*)</b>	<b>180</b>	MPa	ISO 178
<b>Tensile Test (*)</b> Stress at Break Strain at Break	<b>60</b> <b>550</b>	MPa %	ASTM D 638

(\*) Samples conditioned 15 days at 23°C - 50 % R.H.

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