

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

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

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