

**BWK Kunststoffe e.K.**

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BWK Kunststoffe e.K. • Im Bachstrasse 8 • D-79798 Jestetten

**Name** Moplen

**Grade** EP340M

**Resin type** Polypropylene, Impact Copolymer

*Moplen* EP340M is a nucleated heterophasic copolymer, suitable for injection moulding applications. It exhibits an excellent impact performance with good stiffness and processability. *Moplen* EP340M is designed for applications where very high

**Description.** impact resistance is a critical requirement. Typical areas of use are housewares, luggage, transport and cold storage crates and consumer components subjected to low temperatures and impact. The resin is also ideal as a base material in technical compounding.

**Technical data**

<b>Density</b>	0.9 g/cm <sup>3</sup>
<b>Melt flow rate (MFR)</b>	7.5 g/10 min (230°C/2.16Kg)
<b>Melt volume flow rate</b>	10 cm <sup>3</sup> /10min (230°C/2.16Kg)
<b>Tensile Modulus</b>	1150 MPa
<b>Tensile Stress at Yield</b>	21 MPa
<b>Tensile Strain at Break</b>	50 %
<b>Tensile Strain at Yield</b>	6 %
<b>Charpy unnotched impact strength</b>	No Break kJ/m <sup>2</sup> (-20 °C)
<b>Charpy unnotched impact strength</b>	No Break kJ/m <sup>2</sup> (0 °C)
<b>Charpy unnotched impact strength</b>	No Break kJ/m <sup>2</sup> (23 °C)
<b>Charpy notched impact strength</b>	7 kJ/m <sup>2</sup> (-20 °C)
<b>Charpy notched impact strength</b>	9 kJ/m <sup>2</sup> (0 °C)
<b>Charpy notched impact strength</b>	45 kJ/m <sup>2</sup> (23 °C)
<b>Heat deflection temperature B (0.45 MPa) Unannealed</b>	80 °C
<b>Vicat softening temperature</b>	144 °C (A50 (50°C/h 10N))
<b>Vicat softening temperature</b>	58 °C (B50 (50°C/h 50N))
<b>Ball indentation hardness</b>	46 MPa (H 358/30)
<b>Ductile/Brittle transition temperature</b>	-55 °C