

Product Description

CAPILENE® CW 85 AV is a specialty high flow polypropylene combining typical advantages of polypropylene random and heterophasic copolymers.

- Features:**
- Good impact
 - Very low stress whitening
 - Low warpage
 - Short cycle time
 - Mold release
 - Good transparency
 - Clarified
 - High gloss

- Uses:**
- Thin wall packaging
 - Large storage boxes
 - Clear pails
 - Clear containers
 - Caps and closures
 - Household articles
 - Appliances
 - Toys

- Processing Methods:**
- Injection molding

| Properties | Method | Typical Value* | Unit |
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Physical

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| Melt Flow Rate | (230°C/2.16 kg) | ISO 1133 | 55 g/10 min |
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Mechanical

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| Tensile Stress at Yield | (50 mm/min) | ISO 527-2 | 24 MPa |
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| Tensile Strain at Yield | (50 mm/min) | ISO 527-2 | 15 % |
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| Flexural Modulus | (5 mm/min) | ISO 178 | 950 MPa |
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| Izod Impact Strength, notched | (+23°C) | ISO 180 | 7 kJ/m ² |
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| Izod Impact Strength, notched | (0°C) | ISO 180 | 4.5 kJ/m ² |
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| Izod Impact Strength, notched | (-20°C) | ISO 180 | 3 kJ/m ² |
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Thermal

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| Vicat Softening Temperature | (10 N) | ISO 306 | 135 °C |
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| Heat Deflection Temperature | (0.45 MPa) | ISO 75-2 | 70 °C |
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Optical

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|-------------|--------------|-----------|------|
| Haze | (1mm plaque) | ASTM 1003 | 12 % |
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*Typical values; not to be construed as specifications.

Health, Quality, Regulations and Safety

This product is not classified as dangerous substance. Material safety data sheets, international standards certificates (e.g. ISO 9001) and other regulatory documents are available on our website. This product is not intended for use in medical or pharmaceutical applications and we do not support its use for such applications.