

Provisional Technical Data Sheet
CAPILENE® CW 85 AV
 Specialty Polypropylene



Product Description

Developmental grade 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
Physical				
Melt Flow Rate	(230°C/2.16 kg)	ISO 1133	55	g/10 min
Mechanical				
Tensile Stress at Yield	(50 mm/min)	ISO 527-2	24	MPa
Tensile Strain at Yield	(50 mm/min)	ISO 527-2	15	%
Flexural Modulus	(5 mm/min)	ISO 178	950	MPa
Izod Impact Strength, notched	(+23°C)	ISO 180	8	kJ/m ²
Izod Impact Strength, notched	(0°C)	ISO 180	4.5	kJ/m ²
Izod Impact Strength, notched	(-20°C)	ISO 180	3	kJ/m ²
Thermal				
Vicat Softening Temperature	(10 N)	ISO 306	135	°C
Heat Deflection Temperature	(0.45 MPa)	ISO 75-2	70	°C
Optical				
Haze	(1mm plaque)	ASTM 1003	10	%

*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.

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