

Preliminary Technical Data Sheet
CAPILENE® CP 71 AV
Specialty Polypropylene
Description

CAPILENE® CP 71 AV is a specialty polypropylene combining the typical advantages of polypropylene random and heterophasic copolymers, and is designed for injection molding.

CAPILENE® CP 71 AV features: high fluidity and excellent processability, good stiffness/impact balance, good transparency, high gloss, excellent stress whitening resistance and low warpage.

CAPILENE® CP 71 AV enables energy savings and improved productivity.

Applications

CAPILENE® CP 71 AV is suitable for: thin wall packaging, clear impact containers for packaging and storage, household goods, caps & closures, pails and boxes, appliances and toys.

Quality, Environment and Safety Regulations

Material Safety Data Sheets and other regulatory documents are available from techserv@caol.co.il

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	(A50)	ISO 306	129	°C
Heat Deflection Temperature	(0.45 MPa)	ISO 75-2	70	°C
Optical				
Haze	(0.5mm TWIM container)	internal	15	%

*Typical values; not to be construed as specifications.