

Technical Data Sheet
CAPILENE® CE 80 B
Specialty Polypropylene
Description

CAPILENE® CE 80 B is a specialty polypropylene combining the typical advantages of polypropylene random and heterophasic copolymers, and is designed for extrusion applications.

CAPILENE® CE 80 B features: excellent transparency, very high gloss, good stiffness/impact balance at room and low temperatures, good resistance to stress whitening, excellent organoleptic performance, energy saving and short cycle time.

Applications

CAPILENE® CE 80 B is suitable for: EBM of clear containers for detergents and cosmetics, sheet extrusion, thermoforming, corrugated sheets, profiles and films.

Quality, Environment and Safety Regulations

Material Safety Data Sheets and other regulatory documents are available on our web site <http://www.caol.co.il>

Properties		Method	Typical Value*	Unit
Physical				
Melt Flow Rate	(230°C/2.16 kg)	ISO 1133	1.8	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	900	MPa
Izod Impact Strength, notched	(+23°C)	ISO 180	50	kJ/m ²
Izod Impact Strength, notched	(-20°C)	ISO 180	3.5	kJ/m ²
Thermal				
Vicat Softening Temperature	(A50)	ISO 306	131	°C
Heat Deflection Temperature	(0.45 MPa)	ISO 75-2	70	°C
Optical				
Haze	(1 mm plaque)	ASTM D	15	%

**Typical values; not to be construed as specifications.*

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