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CARMEL OLEFINS

Technical Data Sheet

CAPILENE® SE 50 E

Polypropylene Impact Copolymer

Description

CAPILENE® SE 50 E is a low melt flow rate impact copolymer intended for sheet extrusion. It exhibits excellent impact strength even at low temperatures, combined with good processability, improved melt strength and good melt stability.

Applications

CAPILENE® SE 50 E is suitable for extrusion applications like thin sheets, corrugated boards and profiles. It is also suitable for injection molding of technical components and for blow molding of hollow containers.

Quality, Environment and Safety Regulations

Material Safety Data Sheet and Product Safety declarations are available on our web site http://www.caol.co.il

Properties		Method	Typical Value*	Unit
Physical				
Melt Flow Rate	(230°C/2.16Kg)	ISO 1133	1.3	g/10min
Mechanical				
Tensile Stress at Yield	(50mm/min)	ISO 527-2	22	MPa
Tensile Strain at Yield	(50mm/min)	ISO 527-2	12	%
Flexural Modulus	(5mm/min)	ISO 178	1100	MPa
Izod Impact Strength, notched	(+23°C)	ISO 180	35	KJ/m^2
Izod Impact Strength, notched	(-20°C)	ISO 180	5	KJ/m^2
Thermal				
Vicat Softening Temperature	(10N)	ISO 306	150	°C
Heat Deflection Temperature	(0.45MPa)	ISO 75-2	73	°C

*Typical values; not to be construed as specifications.

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