Technical Data Sheet CAPILENE[®] SE 50 E Polypropylene Impact Copolymer



Product Description

CAPILENE® SE 50 E is a low melt flow rate polypropylene heterophasic copolymer.

•	Excellent impact at sub-zero temperature		Good stiffness	
• Uses: •	Sheets Corrugated sheets Profiles		Technical itemsPipes and fittingsContainers	
Processing Methods:	Sheet extrusion Pipe extrusion		Injection moldingBlow molding	
Properties		Method	Typical Value* Unit	
Physical				
Melt Flow Rate	(230°C/2.16 kg)	ISO 1133	1.3 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	11 %	
Flexural Modulus	(5 mm/min)	ISO 178	1200 MPa	
Izod Impact Strength, notched	(+23°C)	ISO 180	38 kJ/m²	
Izod Impact Strength, notched	(-20°C)	ISO 180	5 kJ/m²	
Thermal				
Vicat Softening Temperature	(10 N)	ISO 306	150 °C	
Heat Deflection Temperature	(0.45 MPa)	ISO 75-2	90 °C	

*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.

Carmel Olefins Ltd. POB 1468 Haifa 31014 Israel Website: <u>http://www.Carmel-Olefins.co.il</u> Email: <u>techserv@caol.co.il</u>

Date: June 2017

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