

Capilene® SW 75 AV

Polypropylene Impact Copolymer

Carmel Olefins Ltd.

Message:

CAPILENE ® SW 75 AV is a controlled rheology polypropylene heterophasic copolymer intended for high speed injection molding.
CAPILENE ® SW 75 AV features: controlled rheology, nucleating and antistatic additives, good impact strength, very high flow, short molding cycle time and good dimensional stability.
CAPILENE ® SW 75 AV is suitable for: thin walled packaging items, household articles and products with long flow length or complex design.

General Information			
Additive	Antistatic		
	Nucleating Agent		
Features	Antistatic		
	Controlled Rheology		
	Fast Molding Cycle		
	Good Dimensional Stability		
	Good Impact Resistance		
	High Flow		
	Impact Copolymer		
	Nucleated		
Uses	Household Goods		
	Thin-walled Packaging		
Agency Ratings	EC 1907/2006 (REACH)		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	65	g/10 min	ASTM D1238, ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Yield ¹	24.0	MPa	ASTM D638
Yield	23.0	MPa	ISO 527-2/50
Tensile Elongation			
Yield ²	8.0	%	ASTM D638
Yield	8.0	%	ISO 527-2/50
Flexural Modulus			
--	1200	MPa	ASTM D790
-- ³	1150	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
-20°C	45	J/m	ASTM D256
23°C	75	J/m	ASTM D256
-20°C	5.0	kJ/m ²	ISO 180
23°C	8.0	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	95.0	°C	ASTM D648
0.45 MPa, Unannealed	77.0	°C	ISO 75-2/B
Vicat Softening Temperature	147	°C	ISO 306/A, ASTM D1525 ⁴
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	5.0 mm/min		
4.	Loading 1 (10 N)		

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