

Capilene® TU 75 AV

Polypropylene Impact Copolymer

Carmel Olefins Ltd.

Message:

CAPILENE ® TU 75 AV is a controlled rheology polypropylene heterophasic copolymer intended for injection molding.

CAPILENE ® TU 75 AV features: controlled rheology, nucleating and antistatic additives, excellent impact strength even at low temperature, high flow, short molding cycle time and good dimensional stability.

CAPILENE ® TU 75 AV is suitable for: heavy duty technical parts, frozen food packaging, shelves, cabinets, garden furniture, products with long flow length, pails and toolboxes.

General Information			
Additive	Antistatic		
	Nucleating Agent		
Features	Antistatic		
	Controlled Rheology		
	Fast Molding Cycle		
	Good Dimensional Stability		
	High Flow		
	High Impact Resistance		
	Impact Copolymer		
	Low Temperature Impact Resistance		
	Nucleated		
Uses	Food Packaging		
	Lawn and Garden Equipment		
	Pails		
	Tool/Tote Box		
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)	35	g/10 min	ASTM D1238, ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Yield ¹	18.0	MPa	ASTM D638
Yield	18.0	MPa	ISO 527-2/50
Tensile Elongation			
Yield ²	8.0	%	ASTM D638
Yield	8.0	%	ISO 527-2/50

Flexural Modulus			
--	850	MPa	ASTM D790
-- ³	850	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
-20°C	95	J/m	ASTM D256
23°C	450	J/m	ASTM D256
-20°C	9.0	kJ/m ²	ISO 180
23°C	40	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	75.0	°C	ASTM D648
0.45 MPa, Unannealed	70.0	°C	ISO 75-2/B
Vicat Softening Temperature	140	°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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