

TOPAS® 9506F-500

Cyclic Olefin Copolymer
Polyplastics Co., Ltd.

Message:
Film Grade, Improved moldability

General Information			
Features	Copolymer		
Uses	Film		
Part Marking Code (ISO 11469)	>COC<		
Physical	Nominal Value	Unit	Test Method
Density	1.01	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR)			ISO 1133
190°C/2.16 kg	1.00	cm ³ /10min	
230°C/2.16 kg	6.00	cm ³ /10min	
Water Absorption (Saturation, 23°C)	0.010	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2400	MPa	ISO 527-2/1A/1
Films	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-3
MD	1700	MPa	
TD	1700	MPa	
Tensile Stress			ISO 527-3
MD : Break	50.0	MPa	
TD : Break	50.0	MPa	
Tensile Elongation			ISO 527-3
MD : Break	3.1	%	
TD : Break	3.1	%	
Water Vapor Transmission Rate (38°C, 90% RH)	0.090	g·mm/m ² /atm/24 hr	ISO 15106-3
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature ¹	65.0	°C	ISO 11357-2
NOTE			
1.	10°C/min		

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