

Sicoklar E01.10 C01010

Polycarbonate
Ravago Group

Message:

PC, medium flow grade 15% titanium dioxide filled

General Information			
Additive	Titanium Dioxide (TiO2) (15%)		
Features	Medium Flow		
Physical	Nominal Value	Unit	Test Method
Density	1.33	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	10	g/10 min	ISO 1133
Molding Shrinkage	0.30 to 0.50	%	ISO 2577
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2
Yield	63.0	MPa	
Break	58.0	MPa	
Tensile Strain (Break)	70	%	ISO 527-2
Flexural Modulus	2500	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180/1A
-30°C	15	kJ/m²	
23°C	50	kJ/m²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Annealed)	140	°C	ISO 75-2/A
Vicat Softening Temperature			
--	152	°C	ISO 306/A50
--	147	°C	ISO 306/B50
Ball Pressure Test (125°C)	Pass		
Flammability	Nominal Value	Unit	Test Method
Flame Rating ¹ (3.20 mm)	HB		Internal Method
Glow Wire Flammability Index (2.00 mm)	850	°C	IEC 60695-2-12
NOTE			
1.	UL94 internally tested		

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