

Tecotek® BC40 UF45 NL CE

Polycarbonate + ABS
Eurotec Engineering Plastics

Message:
PC/ABS, unfilled, heat & UV stabilized, natural, easy flow grade

General Information			
Additive	Heat Stabilizer		
	UV Stabilizer		
Features	Good Flow		
	Good UV Resistance		
	Heat Stabilized		
Agency Ratings	EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Appearance	Natural Color		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	(PC+ABS)		
Physical	Nominal Value	Unit	Test Method
Density	1.11	g/cm³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2250	MPa	ISO 527-2
Tensile Stress (Yield, 23°C)	50.0	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	> 50	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180/1A
-30°C	40	kJ/m²	
23°C	60	kJ/m²	
Unnotched Izod Impact Strength			ISO 180/1U
-30°C	No Break		
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	100	°C	ISO 75-2/A
Vicat Softening Temperature	110	°C	ISO 306/B
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+15	ohms	IEC 60093
Volume Resistivity	1.0E+13	ohms·cm	IEC 60093
Flammability	Nominal Value	Unit	Test Method

Flame Rating		UL 94
0.750 mm	HB	
1.60 mm	HB	
Injection	Nominal Value	Unit
Drying Temperature	80.0 to 100	°C
Drying Time	2.0 to 6.0	hr
Hopper Temperature	60.0 to 80.0	°C
Processing (Melt) Temp	240 to 260	°C
Mold Temperature	40.0 to 80.0	°C
Injection Rate	Moderate-Fast	
Holding Pressure	50.0 to 100	MPa
Back Pressure	Low	

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