WONDERLOY® PC-540A





Technical Data

Product Description			
High heat stability			
General			
Material Status	Commercial: Active		
Literature ¹	 Technical Datasheet (English)	
UL Yellow Card ²	E56070-100269744E194560-104393782		
Search for UL Yellow Card	CHI MEI CORPORATIONWONDERLOY®		
Availability	 Africa & Middle East Asia Pacific	EuropeLatin America	North America
Additive	Flame Retardant		
Features	Flame Retardant	 Good Thermal Stabilit 	у
RoHS Compliance	 RoHS Compliant 		
Resin ID (ISO 1043)	>ABS+PC-FR(40)		

Physical	Nominal Value Unit	Test Method
Density (23°C)	1.18 g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (260°C/2.16 kg)	20 cm ³ /10min	ISO 1133
Spiral Flow 4, 5	40.0 cm	Internal Method
Molding Shrinkage	0.40 to 0.60 %	ISO 294-4
Mechanical	Nominal Value Unit	Test Method
Tensile Stress		ISO 527-2/50
Yield	60.0 MPa	
Break	55.0 MPa	
Tensile Strain (Break)	120 %	ISO 527-2/50
Flexural Modulus ⁶	2400 MPa	ISO 178
Flexural Stress ⁶	90.0 MPa	ISO 178
Impact	Nominal Value Unit	Test Method
Charpy Notched Impact Strength (23°C)	45 kJ/m²	ISO 179
Notched Izod Impact Strength (23°C)	45 kJ/m²	ISO 180/1A
Thermal	Nominal Value Unit	Test Method
Deflection Temperature Under Load		ISO 75-2/A
1.8 MPa, Unannealed	83.0 °C	
Vicat Softening Temperature		
	101 °C	ISO 306/B50
	108 °C	ISO 306/A50
CLTE - Flow	8.0E-5 cm/cm/°C	ISO 11359-2
Electrical	Nominal Value Unit	Test Method
Surface Resistivity	2.9E+15 ohms	IEC 60093
Volume Resistivity	3.9E+17 ohms·cm	IEC 60093
Dielectric Constant (1 MHz)	3.10	IEC 60250

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Form No. TDS-424458-en

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Polycarbonate + ABS CHI MEI CORPORATION



www.ulprospector.com

Flammability	Nominal Value Unit	Test Method
Flame Rating		UL 94
1.5 mm	V-0	
2.0 mm	5VB	
3.0 mm	5VA	

Notes

- ¹ These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.
- ² A UL Yellow Card contains UL-verified flammability and electrical characteristics. UL Prospector continually works to link Yellow Cards to individual plastic materials in Prospector, however this list may not include all of the appropriate links. It is important that you verify the association between these Yellow Cards and the plastic material found in Prospector. For a complete listing of Yellow Cards, visit the UL Yellow Card Search.
- ³ Typical properties: these are not to be construed as specifications.
- ⁴ Melt Temperature: 260°C
- ⁵ 2 mm, V: 50%, P: 50%
- ⁶ 2.0 mm/min



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