

Technical Data Sheet

Revision Date: 2022-06-10

NO .WHPCBU_0001

Name: CA3350

Version: 2.0

WanBlend®CA3350 PCABS

General Information

Features	•Excellent flame retardant performance	EV Battery Pack
Uses	•E & E	
Appearance	Milky White	
Forms	•Pellets	
Processing Method	•Injection Molding	

Typical Properties

	Test Method	Test Condition	Unit	Typical Value
Physical				
Melt Flow Index	ASTM D1238	260°C/2.16Kg	g/10min	18
Mold Shrinkage	ASTM D955	-	%	0.5-0.7
Water Absorption	ASTM D570	23°C,24h	%	0.2
Density	ASTM D792	-	g/cm ³	1.19
Mechanical				
Stress at Break	ASTM D638	50mm/min	MPa	60
Tensile Modulus	ASTM D638	1mm/min	MPa	2400
Yield Stress	ASTM D638	50mm/min	MPa	60
Yield Strain	ASTM D638	50mm/min	%	4
Strain at Break	ASTM D638	50mm/min	%	80
Flexural Strength	ASTM D790	2mm/min	MPa	90
Flexural Modulus	ASTM D790	2mm/min	MPa	2500
Izod Notched Impact Strength	ASTM D256	23°C	J/m	600
Thermal				
Heat Distortion Temp.	ASTM D648	1.82MPa;3.2mm	°C	88
Vicat Softening Temp.	ASTM D1525	120°C/h;50N	°C	108

Typical Properties

	Test Method	Test Condition	Unit	Typical Value
Flammability				
Flame Rating	UL 94	1.5mm	-	V0
	UL 94	3.0mm	-	V0
Electrical				
Volume Resistivity	IEC 60093	-	Ω·m	10 ¹⁴
Surface Resistivity	IEC 60093	-	Ω	10 ¹⁶
Processing Condition				
Drying Temperature			°C	80
Drying Time			h	4-6
Injection Temperature			°C	240-270
Mold temperature			°C	80

For more information about safety and environment, please refer to our MSDS or contact our customer service center.

WanBlend[®] CA3350



Version information:

Date of first issue: January 1, 2018 Version: 1.0
Date of 2nd revise: June. 10, 2022 Version: 2.0 Reason for revision: Change in the organizational structure of the BU.

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The information provided here is for reference only. The specification will be provided in the quality certificate or in the contract. It is the user's responsibility to test the material and its suitability for a process. We have no control over what another party does with the material and we cannot take any responsibility for another party's action. Nor will we be responsible for any indirect damages while using our products. The user is welcome to contact our customer and technical service center with questions on our products.