

Technical Data Sheet

Revision Date: 2023-08-15

NO .WHPCBU_0001

Name: CA1580

Version: 4.0

WanBlend[®]CA1580 Polycarbonate Blends

General Information

Features	• High heat resistance	• High gloss	Excellent performance	impact
Uses	•General Purpose			
Appearance	•Non-transparent			
Forms	•Pellets			
Processing Method	•Injection Molding			

Typical Properties

	Test Method	Test Condition	Unit	Typical Value
Physical				
Melt Flow Index	ISO 1133	260°C/5Kg	g/10min	20
Mold Shrinkage	ISO 294-4	-	%	0.5-0.7
Water Absorption	ISO 62	23°C,24h	%	0.2
Density	ISO 1183	-	g/cm ³	1.14
Mechanical				
Stress at Break	ISO 527	50mm/min	MPa	53
Tensile Modulus	ISO 527	1mm/min	MPa	2300
Strain at Break	ISO 527	50mm/min	%	≥50
Flexural Strength	ISO 178	2mm/min	MPa	84
Flexural Modulus	ISO 178	2mm/min	MPa	2300
Izod Notched Impact Strength	ISO 180	23°C	KJ/m ²	48
Izod Notched Impact Strength	ISO 180	-30°C	KJ/m ²	38
Thermal				
Heat Distortion Temp.	ISO 75	1.80MPa;4.0mm	°C	108
Vicat Softening Temp.	ISO 306	120°C/h;50N	°C	132

Typical Properties

	Test Method	Test Condition	Unit	Typical Value
Flammability				
Flame Rating	UL 94	3mm	-	HB
Electrical				
Volume Resistivity	IEC 60093	-	$\Omega \cdot m$	10^{14}
Surface Resistivity	IEC 60093	-	Ω	10^{16}
Processing Condition				
Drying Temperature			$^{\circ}C$	80-100
Drying Time			h	3-6
Injection Temperature			$^{\circ}C$	240-280
Mold temperature			$^{\circ}C$	70-90
Injection Speed			mm/s	50

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

WanBlend[®] CA1580



Version information:

Date of first issue: Dec. 06, 2017	Version: 1.0
Date of 1 st revise: Apr. 22, 2017	Version: 2.0 Reason for revision: Change of company LOGO.
Date of 2 nd revise: Jun. 30, 2019	Version: 3.0 Reason for revision: Change in the organizational structure of the BU.
Date of 4 th revise: Aug. 15, 2023	Version: 4.0 Reason for revision: Change of grade name.

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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.