

Data Sheet

## Dexnyl® 2710 PEEK Compound CA30 -26

Test Item	Test Method	Conditions	Units	Test Data
<b>Mechanical Data</b>				
Tensile Strength	ISO 527	Break, 23°C	MPa	250
Tensile Elongation	ISO 527	Break, 23°C	%	1.6
Flexural Strength	ISO 178	Break, 23°C	MPa	370
Flexural Modulus	ISO 178	23°C	GPa	22
Compressive Strength	ISO 604	23°C	MPa	300
Charpy Impact Strength	ISO 179/1eA	Notched	$\text{kJ m}^{-2}$	7
	ISO 179/1U	Unnotched	$\text{kJ m}^{-2}$	45
Izod Impact Strength	ISO 180/A	Notched	$\text{kJ m}^{-2}$	9
	ISO 180/U	Unnotched	$\text{kJ m}^{-2}$	45
Mould Shrinkage	ISO 294-4	Along Flow	%	0.1
		Across Flow	%	0.5
<b>Thermal Data</b>				
Melting Point	ISO 11357	-	°C	343
Glass Transition (Tg)	ISO 11357	Onset	°C	143
Special Heat Capacity	DSC	23°C	$\text{kJ kg}^{-1} \text{°C}^{-1}$	1.8
Coefficient of Thermal Expansion	ISO 11359	Along flow below Tg	$\text{ppm K}^{-1}$	5
		Along flow above Tg	$\text{ppm K}^{-1}$	6
Heat Deflection Temperature	ISO 75-f	1.8 Mpa	°C	336
Thermal Conductivity	ISO 22007-4	23°C	$\text{W m}^{-1} \text{K}^{-1}$	0.95
<b>Flow</b>				
Melt Index	ISO 1133	380°C, 5kg	$\text{g 10min}^{-1}$	5
<b>Miscellaneous</b>				
Density	ISO 1183	Crystalline	$\text{g cm}^{-3}$	1.4
		Amorphous	$\text{g cm}^{-3}$	-
Shore D Hardness	ISO 868	23°C		88
Water Absorption (3.2mm thick Tensile Bar) (by immersion)	ISO 62-1	24h, 23°C	%	0.04
		Equilibrium, 23°C	%	0.3

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**BIEGLO GmbH**  
Bahrenfelder Straße 242  
22765 Hamburg  
+49 40 4011 30000  
[info@bieglo.com](mailto:info@bieglo.com)  
[www.bieglo.com](http://www.bieglo.com)  
[www.polyimide-shop.de](http://www.polyimide-shop.de)

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