

SABIC Innovative Plastics Cyclac® DL100 ABS (Europe-Africa-Middle East)

Category : Polymer , Thermoplastic , ABS Polymer

Material Notes:

CYCOLAC DL100 is a high heat, high impact, low emissions ABS/PC blend.

Order this product through the following link:

http://www.lookpolymers.com/polymer_SABIC-Innovative-Plastics-Cyclac-DL100-ABS-Europe-Africa-Middle-East.php

Physical Properties	Metric	English	Comments
Density	1.08 g/cc	0.0390 lb/in ³	ISO 1183
Linear Mold Shrinkage, Flow	0.0050 - 0.0070 cm/cm	0.0050 - 0.0070 in/in	on Tensile Bar; SABIC Method
Melt Index of Compound	8.0 g/10 min @Load 5.00 kg, Temperature 260 °C	8.0 g/10 min @Load 11.0 lb, Temperature 500 °F	MVR [cm ³ /10 min]; ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, H358/30	91.0 MPa	13200 psi	ISO 2039-1
Tensile Strength, Yield	45.0 MPa	6530 psi	50 mm/min; ISO 527
	46.0 MPa	6670 psi	5 mm/min; ISO 527
Elongation at Break	10 %	10 %	50 mm/min; ISO 527
	60 %	60 %	5 mm/min; ISO 527
Elongation at Yield	3.4 %	3.4 %	50 mm/min; ISO 527
	3.5 %	3.5 %	5 mm/min; ISO 527
Tensile Modulus	2.20 GPa	319 ksi	1 mm/min; ISO 527
Flexural Yield Strength	69.0 MPa	10000 psi	2 mm/min; ISO 178
Flexural Modulus	2.25 GPa	326 ksi	2 mm/min; ISO 178
Izod Impact, Notched (ISO)	35.0 kJ/m ²	16.7 ft-lb/in ²	80*10*4; ISO 180/1A
	15.0 kJ/m ² @Temperature -30.0 °C	7.14 ft-lb/in ² @Temperature -22.0 °F	80*10*4; ISO 180/1A
Charpy Impact, Notched	3.40 J/cm ²	16.2 ft-lb/in ²	Edgew 80*10*4 sp=62mm; ISO 179/1eA
	1.40 J/cm ² @Temperature -30.0 °C	6.66 ft-lb/in ² @Temperature -22.0 °F	Edgew 80*10*4 sp=62mm; ISO 179/1eA

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	98.0 $\mu\text{m}/\text{m}\cdot^{\circ}\text{C}$	54.4 $\mu\text{in}/\text{in}\cdot^{\circ}\text{F}$	ISO 11359-2
	@Temperature 23.0 - 60.0 $^{\circ}\text{C}$	@Temperature 73.4 - 140 $^{\circ}\text{F}$	
CTE, linear, Transverse to Flow	98.0 $\mu\text{m}/\text{m}\cdot^{\circ}\text{C}$	54.4 $\mu\text{in}/\text{in}\cdot^{\circ}\text{F}$	ISO 11359-2
	@Temperature 23.0 - 60.0 $^{\circ}\text{C}$	@Temperature 73.4 - 140 $^{\circ}\text{F}$	
Thermal Conductivity	0.200 W/m-K	1.39 BTU-in/hr-ft ² - $^{\circ}\text{F}$	ISO 8302
Deflection Temperature at 0.46 MPa (66 psi)	104 $^{\circ}\text{C}$	219 $^{\circ}\text{F}$	Edgew 120*10*4 sp=100mm; ISO 75/Be
Deflection Temperature at 1.8 MPa (264 psi)	87.0 $^{\circ}\text{C}$	189 $^{\circ}\text{F}$	Edgew 120*10*4 sp=100mm; ISO 75/Ae
Vicat Softening Point	105 $^{\circ}\text{C}$	221 $^{\circ}\text{F}$	Rate B/50; ISO 306
	107 $^{\circ}\text{C}$	225 $^{\circ}\text{F}$	Rate B/120; ISO 306
UL RTI, Electrical	60.0 $^{\circ}\text{C}$	140 $^{\circ}\text{F}$	UL 746B
UL RTI, Mechanical with Impact	60.0 $^{\circ}\text{C}$	140 $^{\circ}\text{F}$	UL 746B
UL RTI, Mechanical without Impact	60.0 $^{\circ}\text{C}$	140 $^{\circ}\text{F}$	UL 746B
Flammability, UL94	HB	HB	UL 94
	@Thickness 1.50 mm	@Thickness 0.0591 in	
	HB	HB	UL 94
	@Thickness 3.00 mm	@Thickness 0.118 in	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China