

## Cycolac\* Resin CGA

Americas: COMMERCIAL

Extrusion and thermoforming: controllable gloss and good color retention.

### Property

TYPICAL PROPERTIES <sup>(1)</sup>			
	Value	Unit	Standard
<b>MECHANICAL</b>			
Tensile Stress, yld, Type I, 5 mm/min	28	MPa	ASTM D 638
Tensile Modulus, 5 mm/min	1650	MPa	ASTM D 638
Flexural Stress, yld, 1.3 mm/min, 50 mm span	52	MPa	ASTM D 790
Flexural Modulus, 1.3 mm/min, 50 mm span	1650	MPa	ASTM D 790
Hardness, Rockwell R	81	-	ASTM D 785
<b>IMPACT</b>			
Izod Impact, notched, 23°C	427	J/m	ASTM D 256
Izod Impact, notched, -40°C	85	J/m	ASTM D 256
Falling Dart Impact, 23°C	24	J	SABIC Method
<b>THERMAL</b>			
HDT, 0.45 MPa, 6.4 mm, unannealed	92	°C	ASTM D 648
CTE, -40°C to 40°C, flow	1.1E-04	1/°C	ASTM E 831
Relative Temp Index, Elec	60	°C	UL 746B
Relative Temp Index, Mech w/impact	60	°C	UL 746B
Relative Temp Index, Mech w/o impact	60	°C	UL 746B
<b>PHYSICAL</b>			
Specific Gravity	1.02	-	ASTM D 792
Mold Shrinkage, flow, 3.2 mm	0.5 - 0.8	%	SABIC Method
<b>OPTICAL</b>			
Gloss, untextured, 60 deg (sheet)	16	-	ASTM D 523
<b>FLAME CHARACTERISTICS</b>			
UL Recognized, 94HB Flame Class Rating (3)	1.49	mm	UL 94

Source GMD, last updated:12/29/1999

### Processing

THESE PROPERTY VALUES ARE NOT INTENDED FOR SPECIFICATION PURPOSES.

PLEASE CHECK WITH YOUR [\(LOCAL SALES OFFICE\)](#) FOR AVAILABILITY IN YOUR REGION

(1) Typical values only. Variations within normal tolerances are possible for various colors. All values are measured after at least 48 hours storage at 23°C/50% relative humidity. All properties, except the melt volume and melt flow rates, are measured on injection molded samples. All samples tested under ISO test standards are prepared according to ISO 294.

(2) Only typical data for selection purposes. Not to be used for part or tool design.

(3) This rating is not intended to reflect hazards presented by this or any other material under actual fire conditions.

(4) Internal measurements according to UL standards.

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