

Cycolac* Resin GPP4600

Americas: COMMERCIAL

Extrusion profile grade for coextrusion. Recommended for substrate only.

Property

TYPICAL PROPERTIES ⁽¹⁾			
MECHANICAL	Value	Unit	Standard
Tensile Stress, yld, Type I, 5 mm/min	50	MPa	ASTM D 638
Tensile Modulus, 5 mm/min	2620	MPa	ASTM D 638
Flexural Stress, yld, 1.3 mm/min, 50 mm span	81	MPa	ASTM D 790
Flexural Modulus, 1.3 mm/min, 50 mm span	2680	MPa	ASTM D 790
Hardness, Rockwell R	110	-	ASTM D 785
IMPACT	Value	Unit	Standard
Izod Impact, notched, 23°C	320	J/m	ASTM D 256
Falling Dart Imp, 23°C 3.2 mm extr sheet	40	J	SABIC Method
Gardner Impact (Procedure B)	16013	J/m	ASTM D 4226
Instrumented Impact Total Energy, 23°C	50	J	ASTM D 3763
THERMAL	Value	Unit	Standard
HDT, 1.82 MPa, annealed	100	°C	ASTM D 648
HDT, 0.45 MPa, 6.4 mm, unannealed	100	°C	ASTM D 648
HDT, 1.82 MPa, 6.4 mm, unannealed	91	°C	ASTM D 648
CTE, -40°C to 40°C, flow	7.02E-05	1/°C	ASTM E 831
CTE, -40°C to 60°C, xflow	7.02E-05	1/°C	ASTM E 831
PHYSICAL	Value	Unit	Standard
Specific Gravity	1.05	-	ASTM D 792
Mold Shrinkage, flow, 3.2 mm	0.5 - 0.8	%	SABIC Method
OPTICAL	Value	Unit	Standard
Gloss, untextured, 60 deg (sheet)	97	-	ASTM D 523

Source GMD, last updated:02/18/1999

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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