

Cycolac* Resin LDA

Americas: COMMERCIAL

Pipe extrusion -- Meets NSF drain, waste and vent pipe requirements. In black (4102N) only.

Property

TYPICAL PROPERTIES ⁽¹⁾			
MECHANICAL	Value	Unit	Standard
Tensile Stress, yld, Type I, 5 mm/min	34	MPa	ASTM D 638
Tensile Modulus, 5 mm/min	1790	MPa	ASTM D 638
Flexural Stress, yld, 1.3 mm/min, 50 mm span	58	MPa	ASTM D 790
Flexural Modulus, 1.3 mm/min, 50 mm span	1860	MPa	ASTM D 790
Hardness, Rockwell R	94	-	ASTM D 785
IMPACT	Value	Unit	Standard
Izod Impact, notched, 23°C	400	J/m	ASTM D 256
Izod Impact, notched, -30°C	240	J/m	ASTM D 256
Izod Impact, notched, -40°C	133	J/m	ASTM D 256
THERMAL	Value	Unit	Standard
HDT, 1.82 MPa, 3.2mm, unannealed	78	°C	ASTM D 648
HDT, 1.82 MPa, 3.2mm, annealed	102	°C	ASTM D 648
HDT, 0.45 MPa, 6.4 mm, unannealed	95	°C	ASTM D 648
CTE, -40°C to 40°C, flow	1.01E-04	1/°C	ASTM E 831
PHYSICAL	Value	Unit	Standard
Specific Gravity	1.02	-	ASTM D 792
Mold Shrinkage, flow, 3.2 mm	0.5 - 0.8	%	SABIC Method
Melt Flow Rate, 230°C/3.8 kgf	1.1	g/10 min	ASTM D 1238

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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