



# VYPET 2130

***Polyester Alloy resin, 30% fiberglass Reinforced***

Vypet 2130 is a 30% fiberglass reinforced, toughened Modified PBT injection molding compound designed for structural and electrical applications.

**Features**

- High temperature performances
- Excellent dimensional stability

**Typical Applications**

- Appliances handles
- Spotlight
- Electrical components

Typical Resin Properties <sup>(a)</sup>	ASTM Method	Typical values
Density at 23°C, g/cm <sup>3</sup>	D792	1.56
Izod, notched, 23°C, J/m	D256	90
Tensile Strength @Yield (5mm/min), MPa	D638	135
Elongation @ Break (5mm/min), %	D638	3
Flexural Strength (1.3mm/min), MPa	D790	211
Flexural Modulus (1.3mm/min), MPa	D790	9801
HDT, @ 1820 Kpa, °C	D648	205

(a) The property values are based on a limited number of tests and, therefore, should not be construed as product specifications.

**Processing Guidelines**

**Drying**

The Vypet 2130 grade process easily but must be thoroughly dried before molding, preferably in a dehumidifying desiccant hopper dryer, operating with an air flow rate of min 1.0 CFM/lb, dew point of -18°C (-40°F) or lower. The material should be dried at 120°C (250°F) for 2-4 hours and the humidity content of the material should be maintained below 0.02% during molding.

**Molding**

Vypet 2130 resin has a relatively wide processing window with barrel temperature settings as following:

- Feed zone: 245-260°C (470-500°F)
- Middle zone: 250-265°C (480-510°F)
- Front zone: 255-270°C (490-520°F)
- Nozzle: 260-270°C (500-520°F)
- Melt temperature: 255-270°C (490-520°F)
- Mold temperature: 65-90°C (150-195°F)

**Other Molding Parameters**

- Injection Pressure: low
- Injection Speed: Medium - fast
- Back Pressure: Low
- Screw Speed: slow



ISO 17025



Conseil canadien des normes  
Standards Council of Canada

MN46 rev 1 DS VYPET 2130-ASTM-Rev1

8800, Crescent 1 Ville d'Anjou, (Québec) Canada H1J 1C8

Tel. : 514-354-5757 Fax. : 514-354- 3087 Email : [lavergne@lavergne.ca](mailto:lavergne@lavergne.ca)

The information in this technical datasheet is, to our knowledge, true and accurate. Inasmuch as we have no control over the many different conditions under which this information and our products may be used, we do not guarantee the applicability or accuracy of this information or the suitability of our products in any given situation. Users of our products should make their own tests to determine the suitability of each product to their particular application. The products are sold without warranty and the buyer assumes all responsibility for loss or damage arising from the handling and use of our products, whether done in accordance with directions or not. Statements concerning the possible use of our products are not intended as recommendations to use our products in conflict with any existing patents covering any materials or its use