

# DELOXEN 2010

Polyphenylene Ether + PS

Vamp Tech

PROSPECTOR®

www.ulprospector.com

## Technical Data

### Product Description

PPOm resin, 20% glass fiber reinforced for injection moulding

### General

Material Status • Commercial: Active

Search for UL Yellow Card • Vamp Tech

Availability • Africa & Middle East • Europe • North America  
• Asia Pacific • Latin America

Filler / Reinforcement • Glass Fiber, 20% Filler by Weight

Processing Method • Injection Molding

### Physical

#### Nominal Value Unit

#### Test Method

Density	1.26 g/cm <sup>3</sup>	ISO 1183
Melt Volume-Flow Rate (MVR) (280°C/5.0 kg)	7.0 cm <sup>3</sup> /10min	ISO 1133
Molding Shrinkage		ASTM D955
Flow	0.20 %	
Across Flow	0.30 %	
Water Absorption (24 hr, 23°C)	0.20 %	ASTM D570

### Mechanical

#### Nominal Value Unit

#### Test Method

Tensile Modulus	6000 MPa	ISO 527-1
Tensile Stress (Break)	70.0 MPa	ISO 527-2
Tensile Strain (Break)	1.8 %	ISO 527-2

### Impact

#### Nominal Value Unit

#### Test Method

Notched Izod Impact Strength	6.5 kJ/m <sup>2</sup>	ISO 180/A
Unnotched Izod Impact Strength	25 kJ/m <sup>2</sup>	ISO 180

### Thermal

#### Nominal Value Unit

#### Test Method

Deflection Temperature Under Load		ASTM D648
1.8 MPa, Unannealed	120 °C	
Continuous Use Temperature	110 °C	
Vicat Softening Temperature	135 °C	ASTM D1525 <sup>2</sup>

### Injection

#### Nominal Value Unit

Drying Temperature	90 °C
Drying Time	3.0 hr
Processing (Melt) Temp	290 °C
Mold Temperature	90 °C

## Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> Loading 2 (50 N)



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Where to Buy

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Supplier

**Vamp Tech**

Busnago, Busnago Italy  
**Telephone:** +39-39-695-7821  
**Web:** <http://www.vamptech.com/>

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Distributor

Please contact the supplier to find a distributor for DELOXEN 2010

