

Pocan[®] ECOT3240 000000 POS151

(PBT+PET)–GF45

45% Glass Reinforced, Injection Molding, UV Stabilized, Excellent Surface Properties, Recycled Content

Print Date: 2024–04–27

Sustainability

Mass balanced
 Recycled based

| PROPERTIES | TYPICAL DATA | UNIT | TEST METHOD |
|--|--------------|------------------------|--------------|
| RHEOLOGICAL PROPERTIES | | | |
| | VALUE | | |
| Melt volume–flow rate | 30 | cm ³ /10min | ISO 1133 |
| Temperature | 260 | °C | ISO 1133 |
| Load | 5 | kg | ISO 1133 |
| Molding shrinkage (normal) | 0.8 | % | ISO 294–4 |
| Molding shrinkage (parallel) | 0.2 | % | ISO 294–4 |
| MECHANICAL PROPERTIES | | | |
| | VALUE | | |
| Tensile modulus | 16000 | MPa | ISO 527–1/–2 |
| Stress at break | 160 | MPa | ISO 527–1/–2 |
| Strain at break | 1.9 | % | ISO 527–1/–2 |
| Flexural modulus | 15500 | MPa | ISO 178 |
| Flexural strength | 260 | MPa | ISO 178 |
| Flexural strain at flexural strength | 2.1 | % | ISO 178–A |
| Charpy impact strength (+23°C) | 60 | kJ/m ² | ISO 179/1eU |
| Charpy impact strength (–30°C) | 65 | kJ/m ² | ISO 179/1eU |
| Charpy notched impact strength (+23°C) | | kJ/m ² | ISO 179/1eA |
| Charpy notched impact strength (–30°C) | | kJ/m ² | ISO 179/1eA |
| Izod impact strength (+23°C) | 55 | kJ/m ² | ISO 180/1U |
| Izod impact strength (–30°C) | 60 | kJ/m ² | ISO 180–1U |

All the trademarks mentioned here are trademarks of Envalior.

Seller represents and warrants exclusively that on the date of delivery by Seller the product shall be in conformity with the specifications agreed upon. Seller makes no other representations or warranties, whether express or implied.

Seller is not responsible or liable for the design of the products of the Customer and it is the responsibility of the Customer to determine that the Seller's product is safe, complies with application laws and regulations, and is technically or otherwise fit for its intended use. Seller does not endorse or claim suitability of its products for a specific application and disclaims each and every representation or warranty, whether express or implied, in that respect.

Typical values are indicative only and are not to be construed as being binding specifications. Colorants in the product or other additives may cause significant variations in typical values.

Copyright © Envalior 2024. All rights reserved. No part of the information may be reproduced, distributed, or transmitted in any form or by any means, including photocopying, recording, or other electronic or mechanical methods, without the prior written permission of Envalior.

Property Data

Pocan[®] ECOT3240 000000 POS151

Print Date: 2024-04-27

| <i>PROPERTIES</i> | <i>TYPICAL DATA</i> | <i>UNIT</i> | <i>TEST METHOD</i> |
|--|---------------------|-------------------|--------------------|
| THERMAL PROPERTIES | | | |
| | <i>VALUE</i> | | |
| Temp. of deflection under load (1.80 MPa) | 205 | °C | ISO 75-1/-2 |
| Temp. of deflection under load (0.45 MPa) | 225 | °C | ISO 75-1/-2 |
| Coeff. of linear therm. expansion (parallel) | 0.2 | E-4/°C | ISO 11359-1/-2 |
| Coeff. of linear therm. expansion (normal) | 0.8 | E-4/°C | ISO 11359-1/-2 |
| ELECTRICAL PROPERTIES | | | |
| | <i>VALUE</i> | | |
| Comparative tracking index | 275 | V | IEC 60112 |
| OTHER PROPERTIES | | | |
| | <i>VALUE</i> | | |
| Density | 1690 | kg/m ³ | ISO 1183 |

All the trademarks mentioned here are trademarks of Envalior.

Seller represents and warrants exclusively that on the date of delivery by Seller the product shall be in conformity with the specifications agreed upon. Seller makes no other representations or warranties, whether express or implied.

Seller is not responsible or liable for the design of the products of the Customer and it is the responsibility of the Customer to determine that the Seller's product is safe, complies with application laws and regulations, and is technically or otherwise fit for its intended use. Seller does not endorse or claim suitability of its products for a specific application and disclaims each and every representation or warranty, whether express or implied, in that respect.

Typical values are indicative only and are not to be construed as being binding specifications. Colorants in the product or other additives may cause significant variations in typical values.

Copyright © Envalior 2024. All rights reserved. No part of the information may be reproduced, distributed, or transmitted in any form or by any means, including photocopying, recording, or other electronic or mechanical methods, without the prior written permission of Envalior.