

Chemlon® 340 G

Teknor Apex Company (Chem Polymer) - Polyamide 610

Friday, June 30, 2017

General Information

General

| | | | |
|------------------------|----------------------|----------|-----------------|
| Material Status | • Commercial: Active | | |
| Availability | • Asia Pacific | • Europe | • North America |
| Filler / Reinforcement | • Glass Fiber | | |
| Forms | • Pellets | | |
| Processing Method | • Injection Molding | | |

ASTM & ISO Properties ¹

| Physical | Nominal Value | Unit | Test Method |
|--|------------------|----------|-------------|
| Specific Gravity | 1.42 | | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (235°C/5.0 kg) | 5.0 | g/10 min | ASTM D1238 |
| Molding Shrinkage - Flow | 1.0E-3 to 3.0E-3 | in/in | ASTM D955 |
| Water Absorption (24 hr) | 0.20 | % | ASTM D570 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength | 24000 | psi | ASTM D638 |
| Tensile Elongation (Yield) | 2.5 | % | ASTM D638 |
| Tensile Elongation (Break) | 2.7 | % | ASTM D638 |
| Flexural Modulus | 1.33E+6 | psi | ASTM D790 |
| Flexural Strength | 35000 | psi | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (73°F) | 3.0 | ft-lb/in | ASTM D256 |
| Thermal | Nominal Value | Unit | Test Method |
| Deflection Temperature Under Load 264 psi, Unannealed | 412 | °F | ASTM D648 |
| Melting Temperature | 433 | °F | |
| Flammability | Nominal Value | Unit | Test Method |
| Flame Rating (0.03 in) | HB | | UL 94 |
| Oxygen Index | 25 | % | ASTM D2863 |

Processing Information

| Injection | Nominal Value | Unit |
|------------------------|---------------|------|
| Drying Temperature | 175 | °F |
| Suggested Max Moisture | 0.20 | % |
| Suggested Max Re grind | 25 | % |
| Rear Temperature | 455 to 485 | °F |
| Middle Temperature | 475 to 515 | °F |
| Front Temperature | 495 to 525 | °F |
| Nozzle Temperature | 485 to 535 | °F |
| Processing (Melt) Temp | 485 to 530 | °F |

Notes

¹ Typical properties: these are not to be construed as specifications.



Revision Date: 12/11/2008

Chemlon® 340 G

Teknor Apex Company (Chem Polymer) - Polyamide 610

Teknor Apex Company
Corporate Headquarters

*In U.S. for Vinyls, TPEs, Colorants,
Engineered Thermoplastics (Chem Polymer)*

505 Central Avenue
Pawtucket, Rhode Island 02861 U.S.

Phone: 401-725-8000
Fax: 401-725-8095
Toll Free (U.S. only) 800-556-3864

Teknor Apex U.K. Ltd.

Tat Bank Road
Oldbury, West Midlands B69 4NH England

Phone: (44) 121-665-2100
Fax: (44) 121-544-5530

etpsales@teknorapex.co.uk

info@teknorapex.com

上海松翰塑化科技有限公司
TEKNOR APEX 特诺尔爱佩斯 一级分销商
teknorapex.shshsj.com 联系电话: 021-58958519

Revision Date: 12/11/2008

The information and recommendations contained in this bulletin are, to the best of our knowledge, accurate and reliable but no guarantee of their accuracy is made. All products are sold upon condition that purchasers shall make their own tests to determine the suitability of such products for their particular purposes and uses and purchasers assume all risks and liability for the results of use of the products, including use in accordance with seller's recommendations. Nothing in this bulletin constitutes permission or a recommendation to practice or use any invention covered by any patent owned by this company or by others. There is no warranty of merchantability and there are no other warranties for the products described.