

## CBT® XL101 in Rotomolding Dual-Layer Systems

CBT XL101 is a developmental rotational molding grade resin to be used in applications requiring improved fuel permeation resistance. In combination with rotational molding grades of polyethylene (PE), CBT XL101 forms an inner layer permeation barrier. The processing cycle time using CBT XL101 resin is similar to PE processing with standard equipment.

A fuel tank incorporating CBT XL101 resin has significantly reduced fuel permeation in accordance with environmental regulations by California Air Resource Board (CARB) and the Environmental Protection Agency (EPA). Cyclics Corporation has received CARB certification, allowing rotational molders who use CBT with their tanks to certify that their products meet CARB regulations.



Please call for details.

Property	Value Metric (Imperial)	Unit	Standard
Dart Impact at RT Rotomolded Dual Layer with PE (6mm)	44 (32.45)	J (ft-lb <sub>r</sub> )	ASTM D1709
CE10 Fuel Permeation	0.09	(g/m <sup>2</sup> )/day	In-house
Fuel Permeation of Dual-Layer Molded HDPE/CBT Fuel Tanks	0.02	(g/m <sup>2</sup> )/day	CARB TP-901

**Cyclics Corporation**  
 2135 Technology Drive  
 Schenectady, NY 12308  
 USA  
 P: +1 518 881 1440  
 F: +1 518 881 1439  
 Email: [info@cyclics.com](mailto:info@cyclics.com)

**Cyclics Europe GmbH**  
 Naundorfer Strasse VIZ 543  
 D-01987 Schwarzheide  
 Germany  
 P: +49 35752 947 100  
 F: +49 35752 947 444  
 Email: [info@cyclics.com](mailto:info@cyclics.com)