We are teamed up to investigate the development of new lower-density compounded resins that allow lighter weight final parts with comparable mechanical properties – at neutral or lower cost. The use of Trexel MuCell® Technology delivers further improvements in both density and mechanical properties.

- Ultramid PA6: high mechanical strength, stiffness and thermal stability
- 3M glass bubbles iM16K: weight reduction, dimensional stability, improved processing
- MuCell technology: additional weight reduction, improved stiffness

Oil pan made with Ultramid PA6 incorporating 3M glass bubbles iM16K

Visit us at NPE 2015!
3M Booth S-36000
BASF Booth S-16027
Trexel Booth W-1523
The addition of 3M™ Glass Bubbles iM16K not only reduces density, but also improves flow and processing throughput. Additional benefits include:

- Improved tensile strength and modulus
- Reduced shrinkage and warpage
- Reduced CLTE
- Reduced wear on tooling and secondary operations

**Effect of 3M™ Glass Bubbles iM16K and iM30K in 30% GR PA6**

**% Weight Reduction with 3M™ Glass Bubbles iM16K and iM30K in B3WG6 BK807 Blend**

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