



**PTUF<sup>®</sup> Impact Modifiers**  
for polyamides  
from Aardvark Polymers

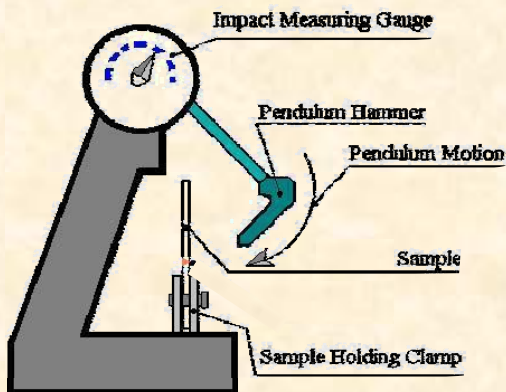
**25<sup>th</sup>**  
ANNIVERSARY

*Celebrating the first 25 years  
1983-2008*

**gapolymers.com**

Aardvark Polymers offers a wide selection of PTUF® impact modifiers formulated to meet your most challenging polyamide applications.

#### Impact-Resistance Test



PTUF Modifiers are Maleic functionalized Polyolefin co-polymers blends, containing special additives, designed to improve notched Izod of Nylons (Polyamides) while retaining an excellent balance of mechanical properties.

PTUF impact modifiers provide excellent improvement in notched Izod of filled and unfilled Polyamides at room temperature as well as at low temperatures.

PTUF modifiers are produced in USA and Europe in ISO certified plants.

Selection of modifier depends on the formulation and compounding screw configuration. PTUF2075, medium maleic functionality, will work in all Nylon6 and Nylon66 formulations.

Better results may be obtained with PTUF2050 (low maleic functionality) or PTUF2100 (high maleic functionality) in some applications. Here are some guidelines for selecting the modifier.

Low Maleic functionality will give higher melt flow product and vice-versa.

PTUF2050, low Maleic functionality, will not work for low temperature applications in unfilled Nylons.

High maleic functionality builds up the melt viscosity during compounding and therefore gives smaller particle size distribution of the modifier. High maleic functionality may be more desirable in low temperature applications or when using modifier in small concentrations.

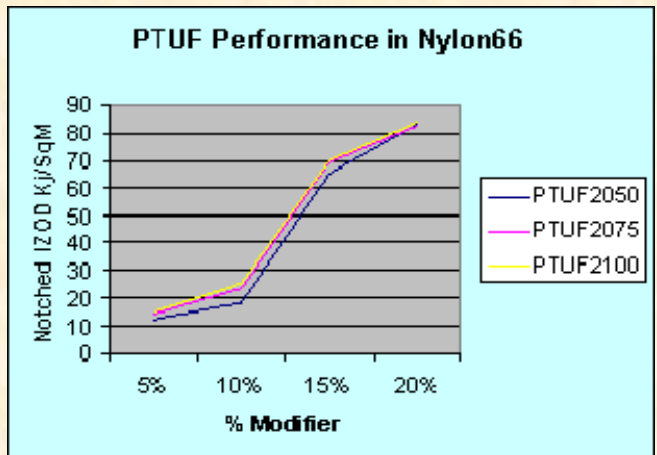
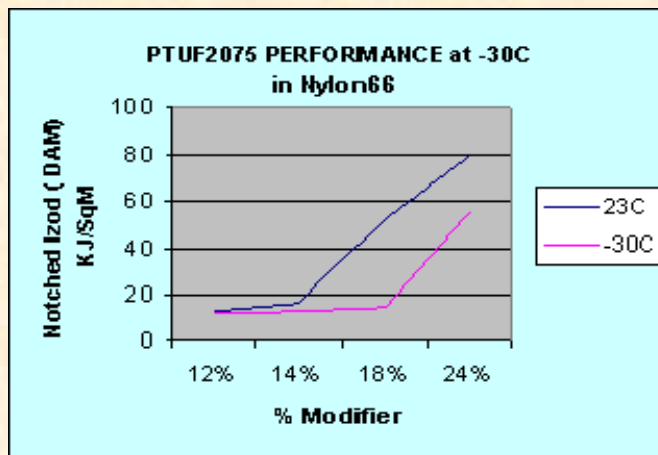
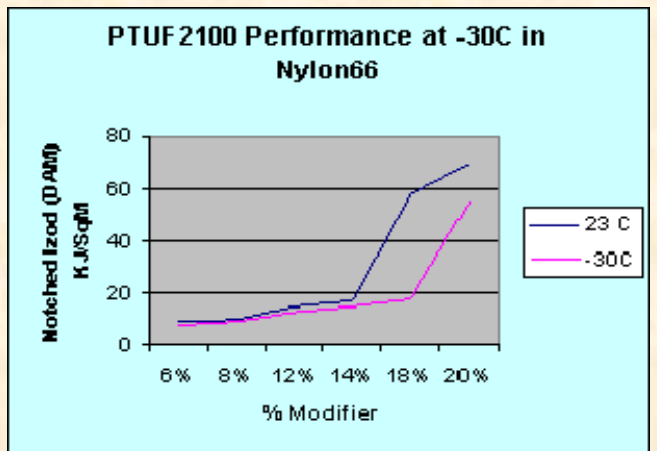
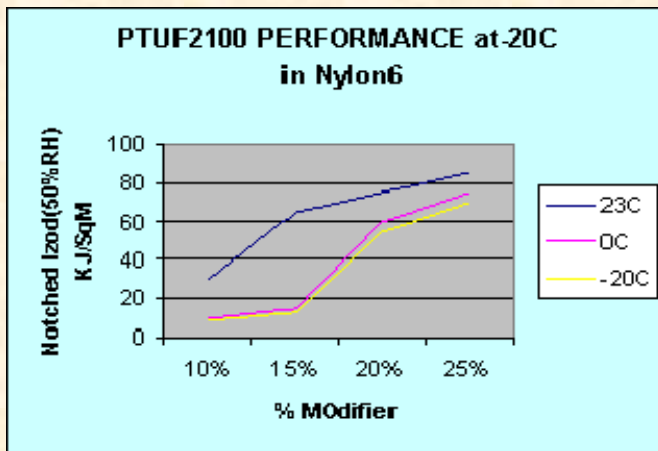
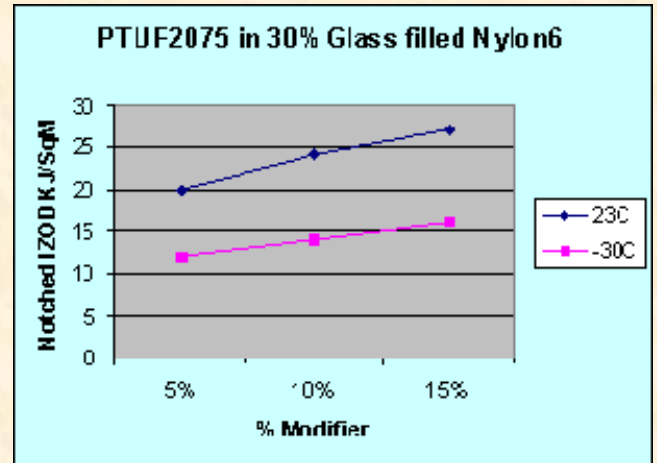
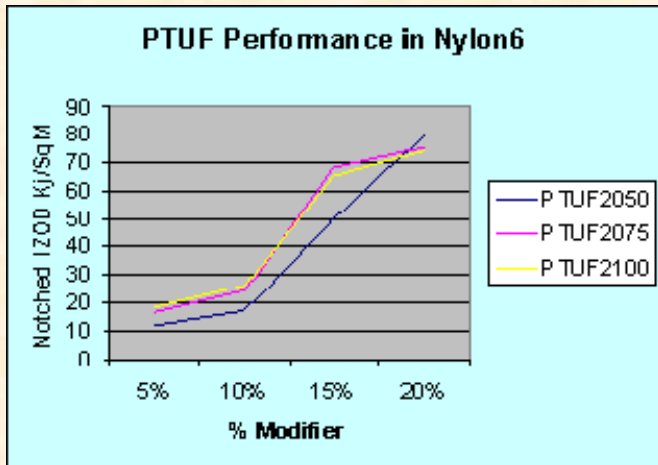
PTUF3075 has medium maleic functionality like PTUF2075, but PTUF3075 will not work in low temperature applications. PTUF 3075 gives lower flex modulus and higher elongation than PTUF2075.

PTUF4100 has high maleic functionality like PTUF2100, but PTUF4100 will not work in low temperature applications. PTUF4100 does not offer any advantages over PTUF2100, except lower flex modulus and higher elongation.

We recommend a Laboratory trial of our modifier in your formulation before commercial production

*The information given above is based on technical data that Aardvark Polymers believes is reliable. The results may vary with formulation and manufacturing equipment. Laboratory evaluation of PTUF to end product is recommended prior to commercial production in equipment similar to use in the plant. Aardvark Polymers makes no warranties, express or implied, and assumes no liability in connection with the use of above information.*

# PTUF Impact Modifiers Performance Data



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