

SOLVAY



*Padanaplast*

# **POLIDAN<sup>®</sup> TUX 100**

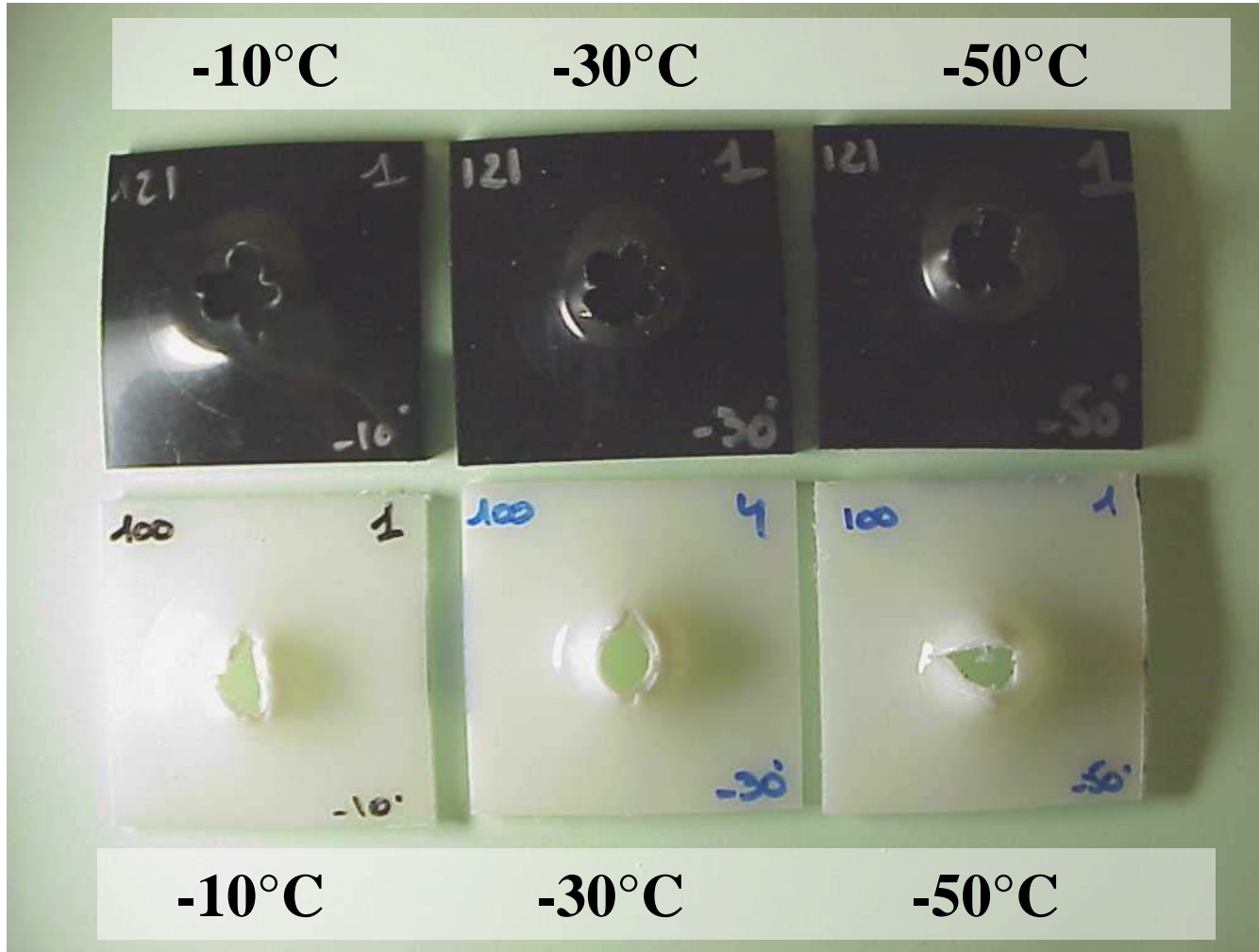
**THE CROSSLINKABLE SOLUTION  
FOR HIGH PERFORMANCE APPLICATIONS  
AT LOW TEMPERATURES**



# **LOW TEMPERATURE SERVICE**

- ◆ **EXTEND OPERATING WINDOW TO EXTREME CONDITIONS**
- ◆ **IMPROVEMENT IN RCP AND IMPACT PROPERTIES**
- ◆ **STIFFNESS, HOOP STRESS, CHEMICAL RESISTANCE ARE INCREASED AT LOW TEMPERATURES**

# HIGH SPEED MULTIAXIAL IMPACT STANDARD SAMPLES



**HDPE**

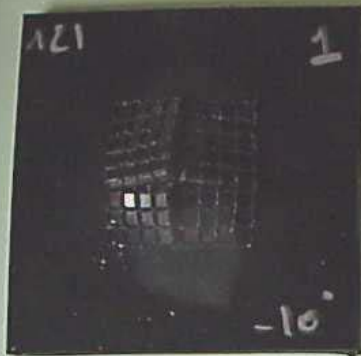
**POLIDAN  
TUX 100**

# HIGH SPEED MULTIAXIAL IMPACT TWO-DIMENSIONAL NOTCHED PLAQUES

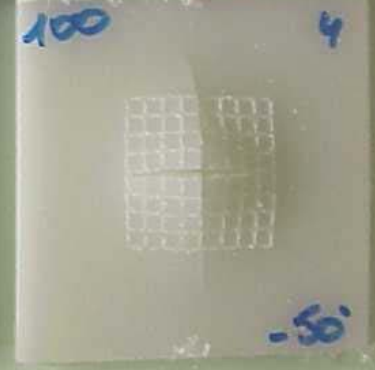
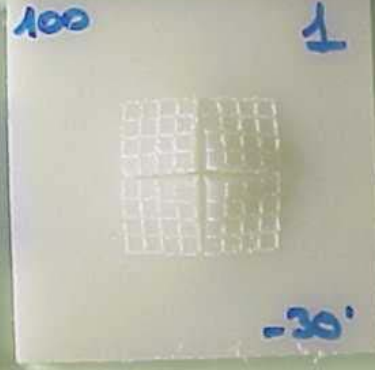
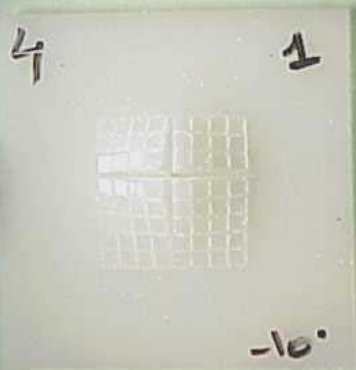
-10°C

-30°C

-50°C



**HDPE**



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TUX 100**

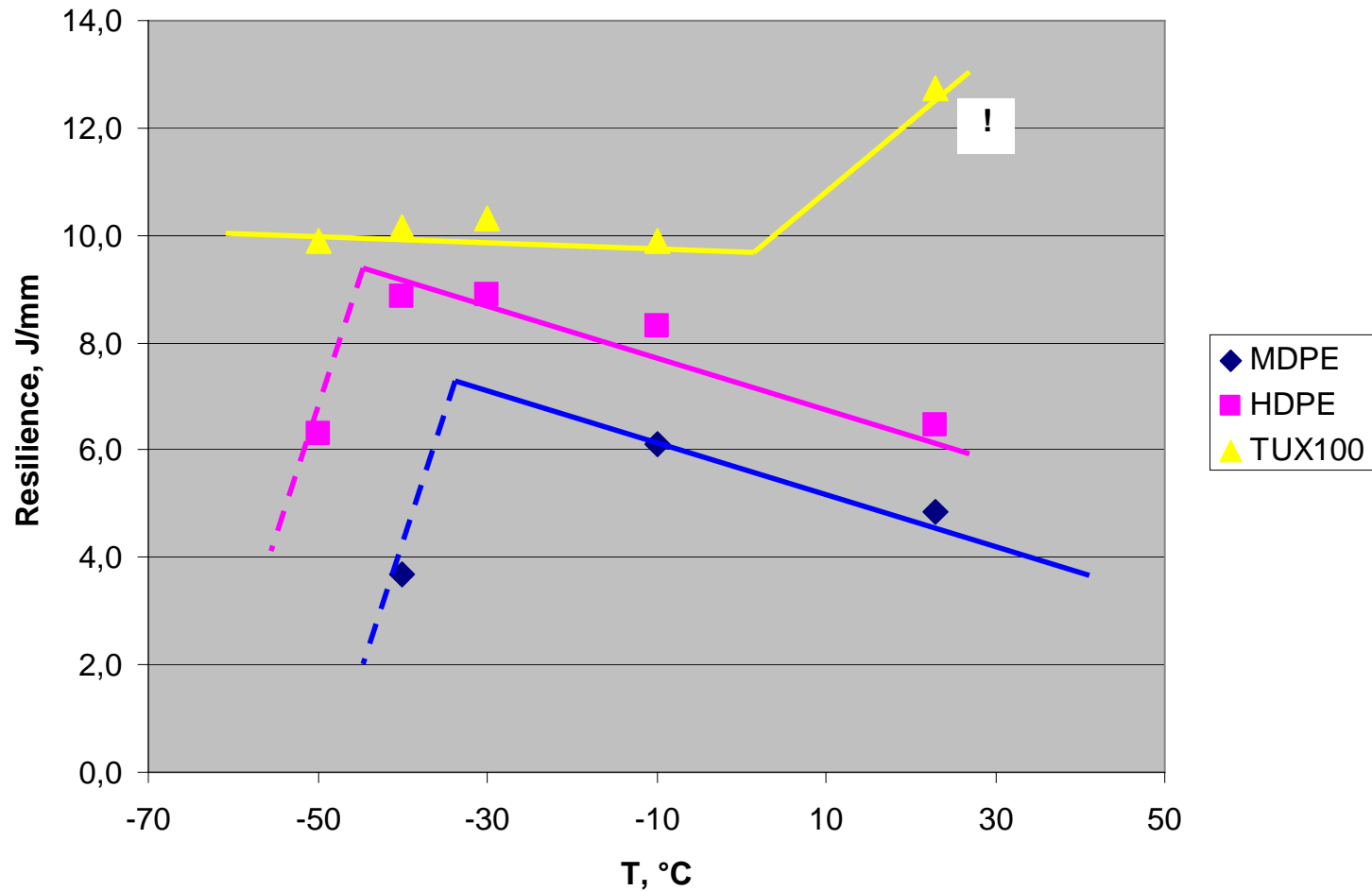
-10°C

-30°C

-50°C

# HIGH SPEED MULTIAXIAL IMPACT

Multiaxial impact on 2-D notched plaques (0.1mm)  
Resilience at break as f(Temperature)



# HIGH SPEED MULTIAXIAL IMPACT

Multiaxial Impact on 2D notched plaques (0.1mm)

Strain at break as f(Temperature)

