

**KELVX**  
resin

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New Performance From New Technology

Tough  
Versatile  
Dependable

A new resin for  
the building and  
construction industry



**EASTMAN**

# New Performance From New Technology



## Typical Applications

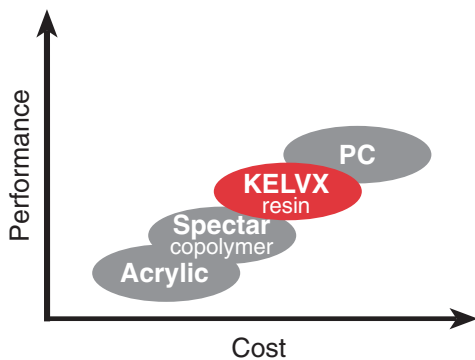
- Outdoor architectural parts
- Lighted signage
- Thermoformed signage
- Bus shelters
- Glazing—transportation/architectural
- Ski cabins
- Machine guards
- Skylights and roofing
- Multiwall
- Sound screens

## What is *Kelvx* Resin?

*Kelvx* is a new high temperature copolyester resin commercialized by Eastman Chemical Company for the plastic sheet industry. *Kelvx* resin was developed to provide the same clarity and thermoforming characteristics you've come to expect from copolyesters with the additional benefit of higher temperature stability for outdoor applications.

Thanks to its unique combination of properties, *Kelvx* resin drives creativity by making innovative designs possible and by providing a clear cost advantage versus over-engineered systems.

## Why *Kelvx*?

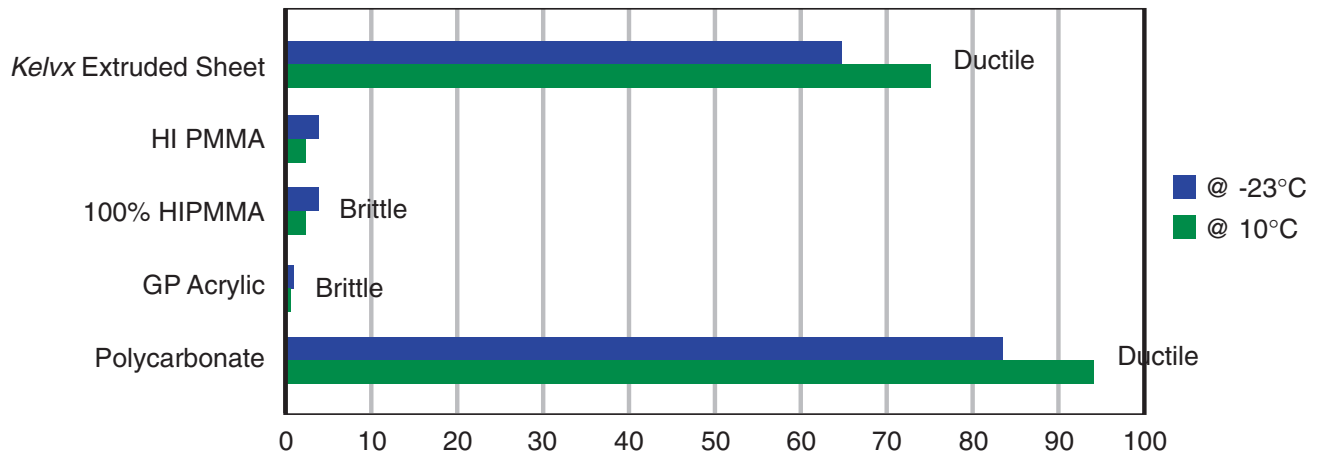


## Benefits of *Kelvx* Resin

- Thermal stability
- Flammability rating
  - CC-1 international building code
- Exceptional thermoformability
  - Very high definition
  - Wide processing temperature range
  - No predrying required
  - Temperature compatible with vinyl films
  - Excellent material distribution
- Cost
  - Excellent performance/cost ratio
  - Shortened cycle times
  - Low thermoforming energy
  - No predrying
  - Improved part durability
- Excellent clarity
- Highly durable material
  - UV stabilized (with UV absorbing cap layer)
  - Impact resistance and toughness
  - Excellent chemical resistance to grease, oil, cleaning agents, pool water, etc.
- Easy to fabricate
  - Cold bending without stress whitening
  - Saws, routs, cuts, drills easily without chipping
  - Mechanical fastening and welding



Instrumented Impact Test



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Material Safety Data Sheets providing safety precautions that should be observed in handling and storing Eastman products are available online or on request. You should obtain and review the available material safety information before handling any of these products. If any materials mentioned are not Eastman products, appropriate industrial hygiene and other safety precautions recommended by their manufacturers should be observed.

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Publication MBS-307  
January 2005

Printed in U.S.A.