



# Distrupol

A Univar company

comparator

## Metal replacement



Medical



2K moulding



Flexible



Chemical resistance



High flow



Clear



High temperature



Co-Ex (co-extrusion)



Hydrolysis resistant



Colour



Low wear



Dimensionally stable



Tough & strong



Electrical performance



Weather resistant



Extrusion



Water approvals



Food approvals



Metal replacement



Flame retardant

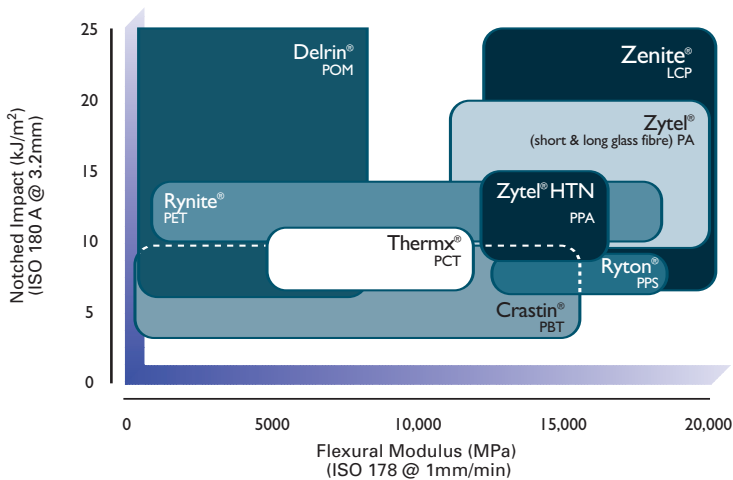


# Take the strain with Distrupol's range of structural metal replacement plastics

A range of robust materials for the most demanding structural applications previously only possible in metals. Distrupol makes material selection easier by comparing some key properties. For more in-depth information, consult individual polymer keycards or data sheets.

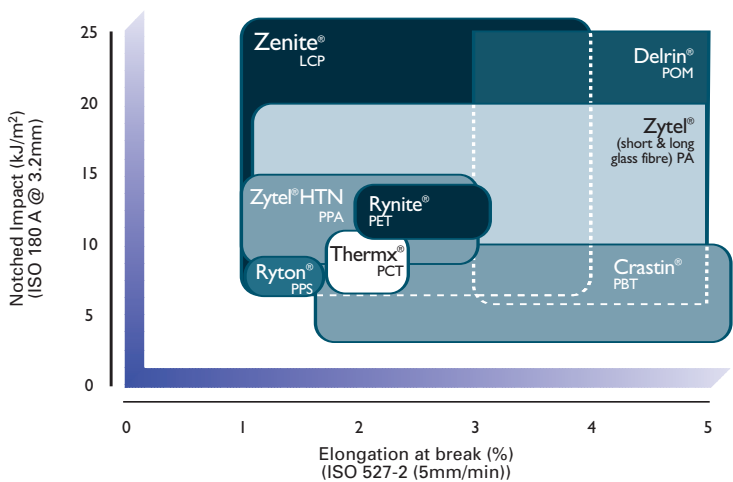
## Toughness Vs Stiffness

Showing the general flexural properties relative to impact properties of various grades.



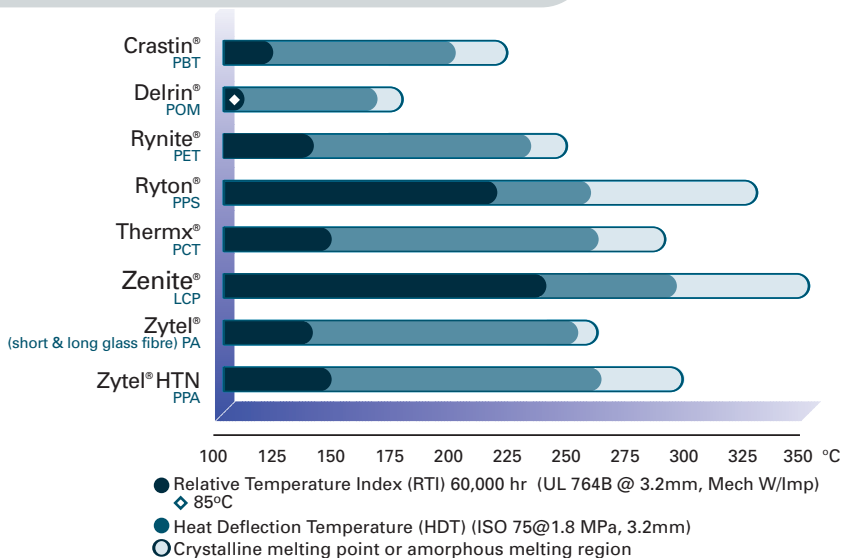
## Toughness Vs Elongation

Showing the general impact properties relative to elongational properties of various toughened grades.



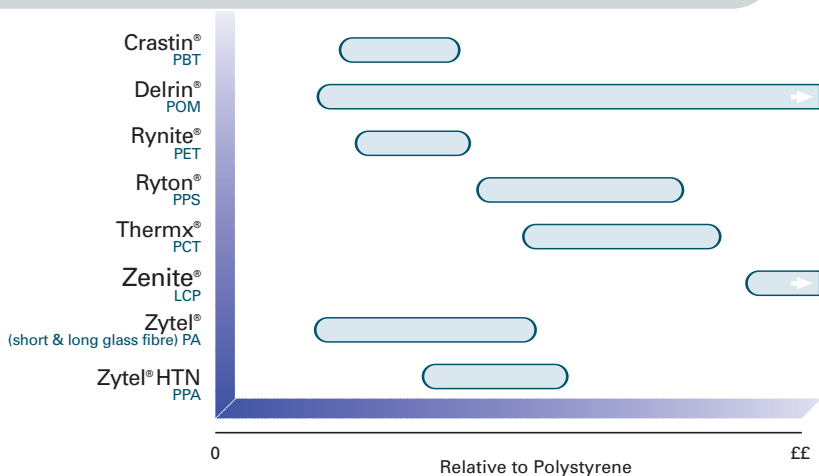
## Thermal Properties

Highlighting the difference between the melting point, short term (HDT) and long term (RTI) performance of a material.
























## Relative Cost

The final cost of a product depends on many factors, e.g. density, cycle times, processing temps, drying requirements etc.



**Comparing basic  
properties *within*  
the high temperature  
materials range selected**

	PBT	POM	PET	PPS	PCT	LCP	PA	PPA
	Crastin®	Delrin®	Rynite®	Ryton®	Thermx®	Zenite®	Zytel®	Zytel® HTN
 2K moulding	●	●					●	
 Chemical resistance		●		●		●	●	●
 Clear								
 Co-Ex (co-extrusion)	●						●	
 Colour	●	●	●		●	●	●	●
 Dimensionally stable	●		●	●	●	●	●	●
 Electrical performance	●		●	●	●		●	●
 Extrusion	●			●			●	
 Flame retardant	●		●	●	●	●	●	●
 Flex crack resistance							●	
 Flexible							●	
 Food approvals	●	●			●	●	●	
 High flow			●	●	●	●	●	
 High temperature	●		●	●	●	●	●	●
 Hydrolysis resistant				●			●	●
 PTFE Low wear		●		●			●	
 Medical	●	●	●		●	●	●	●
 Metal replacement	●	●	●	●	●	●	●	●
 Tough & strong	●	●	●		●	●	●	●
 Water approvals	●	●	●	●			●	●
 Weather resistant	●	●	●				●	●

All materials mentioned are registered trade marks.

Properties for the above resins were extracted from Campus and polymer suppliers' brochures. The values reported are subject to revision as additional information becomes available. Due to the many factors affecting the use of our products which are outside our knowledge and control, no warranty is given or implied with respect to the information given. Sept 2005