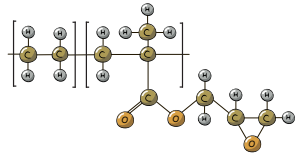
ENTEC

IMPACT MODIFIERS FOR ENGINEERING RESINS

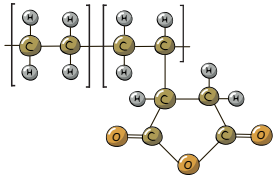
ENTEC POLYMERS | 1900 Summit Tower Blvd., Suite 900 | Orlando, FL 32810 | P: 833.609.5703 | EntecPolymers.com

IMPACT MODIFIERS FOR ENGINEERING RESINS

Entec Polymers offers a number of impact modifiers that can be utilized in various engineering resins to improve the toughness and impact performance. These different modifiers are selected for specific application needs and requirements. Some modifiers can provide for 'super tough' impact performance while others may be better for cold temperature impact while others may offer improved impact performance with improved flow or processability.



In general, Ethylene Methyl Acrylate Copolymers offer very good impact performance in ABS, PC and PC/ABS compounds, while **Glycidyl Methacrylate Terpolymers (GMA)** offer outstanding impact performance in polyesters, polyester alloys, PLA and PPS compounds.



For impact modifying nylon compounds, **Maleic Anhydride Modified Polyolefins (MAH)** offer superior impact performance while certain Zinc Ionomers can offer high impact performance but with higher flow characteristics. Carbon Monoxide Modified Polyolefins offer moderate impact performance in ABS while also improving the flow characteristics of the final compound. Ethylene Butyl Acrylate Copolymers can offer moderate improvements in impact performance and are compatible with most polymers.

Contact your Entec Polymers Sales or Technical Representative for assistance in selecting the best impact modifier for your compounding needs.

IMPACT MODIFIER	MODIFIER TYPE	RESIN TYPE (+ Good, ++ Better, +++ Best)									
		ABS	PC	PC/ABS	PC/PBT	PBT	PET	PA	PLA	PPS	PVC
Dow Elvaloy™ AC	Ethylene Methyl Acrylate Copolymer	+++	+++	+++	++	++	++			+	
Dow Elvaloy™ AC	Ethylene Butyl Acrylate Copolymer			+	+	++	++	+		+	+
Dow Elvaloy™ GMA	Glycidyl Methacrylate Modified Terpolymers		++	++	+++	+++	+++		++	+++	
Dow Elvaloy™ CO	Carbon Monoxide Modified Polyolefins	++									+++
Dow Fusabond™	Maleic Anhydride Modified Polyolefins					++	++	+++		+	
Dow Surlyn™	Zinc Ionomer							++			
INEOS Styrolution Styroflex®	Styrenic Block Copolymer	++									+