

# PRODUCT BULLETIN

## ZYLAR® & CLEARBLEND®

### MBS



CLARITY  
*Methyl Methacrylate*



TOUGHNESS  
*Butadiene*



EASY PROCESSING  
*Styrene*



# PRODUCT BULLETIN: ZYLAR® & CLEARBLEND® MBS

## PRODUCT DESCRIPTION

- Transparent polymers delivering a good balance of properties to serve a wide variety of applications
- Zylar® products are fully compounded MBS pellets with higher impact performance
- Clearblend® products are cost-effective salt and pepper blends of styrene-methyl methacrylate (SMMA) copolymer and butadiene based impact modifier

## KEY PROPERTIES

- Glass-like clarity with practical toughness
- Easy to process at low melt temperatures and no need to dry before processing
- Low specific gravity for cost-effective lightweight parts
- Chemically resistant to alcohol, foods, and cleaning solutions
- Grades to meet USP Class VI and FDA compliance for medical and food contact applications
- Excellent property retention and low yellowing after gamma and ETO sterilization
- Not for use in outdoor applications
- Not for use in applications exposed to 200°F or higher temperatures

## MARKETS & APPLICATIONS



### Packaging

Cosmetics  
Food jars & storage  
Caps & closures



### Toys, sports & leisure

Toy parts  
Office/ hobby organizers  
Tackle boxes



### Household appliances/ Blender jars

Floor care fluid tanks  
Crisper drawers  
Pen/ pencil barrels  
Razor handles  
Reusable drinkware  
Towel/ tissue dispensers



### Healthcare

Blood filter canisters/ bowls  
Respiratory components  
Urine meters  
Yankauer tubes  
Tubing connectors/ fittings

## ADVANTAGES FOR OEMS & PROCESSORS

Category	Zylar®/ Clearblend® feature	Benefits to OEMs & processors
Material cost	<ul style="list-style-type: none"> <li>• Lower material cost</li> <li>• Lower specific gravity</li> </ul>	<ul style="list-style-type: none"> <li>• Better profit margins</li> <li>• Less inventory/ More parts per pound</li> </ul>
Processing	<ul style="list-style-type: none"> <li>• Lower melt temperature</li> <li>• Shorter cycle times</li> <li>• No drying required</li> </ul>	<ul style="list-style-type: none"> <li>• Lower utility cost</li> <li>• Higher production rates</li> <li>• Better operational efficiency</li> </ul>
Part performance	<ul style="list-style-type: none"> <li>• Better chemical resistance</li> <li>• Color stable after gamma irradiation</li> </ul>	<ul style="list-style-type: none"> <li>• Less part failures &amp; warranty claims</li> <li>• Improved brand image</li> </ul>