



# Prime Micro-X

## Prime Micro-X

*Is a tougher improved Styrene Maleic-anhydride copolymer resin for microwave packaging requiring "freezer to microwave" and ESCR performance. The re-heated stiffness is better than PP and it can be exposed from - 40 - 250°F. Prime Micro-X is compatible with existing lid sealing films and is FDA approved.*



## Applications:

*Food packaging for freezer to microwave. Prime Micro-X was compared to PP and filled PP for food packaging from 150 - >250°F filled with pancakes, muffins, pizza, sausage, chicken patties and bacon. The three materials passed the test with the exception of bacon and PP and filled PP ruptured, where the Micro-X had only a dimensional change.*

## Processing:

*Prime Micro-X thermoforms similarly to Polystyrene. The same forming tools can be used for both materials.*

Prime Micro-X	Very High	High	Average
Impact Strength			*
Low Temperature Impact Strength		*	
Tensile Strength		*	
Flexural Modulus	*		
Heat Deflection Temperature	*		



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## Finishing:

*Prime Micro-X can be trimmed with steel rule or hard trim dies.*

*Please contact your Primex Plastics representative for more information on finishing, fabricating, or the thermoforming process.*

## Colors, Textures and Capabilities:

*Colors are typically white, black and pastels but custom color matching is available by request. Textures include smooth and matte. Prime Micro-X comes in a wide variety of size and gauges.*

*Please contact your local Primex Plastics representative for details.*

Property	Test Method	Value	Unit
Specific Gravity	D-792	1.06	
Melt Flow	D-1238	.6	g/10min
Notched Izod	D-256	5	ft-lb/in
Tensile @ Yield	D-638	4,000	psi
Elongation @ Break	D-638	20	%
Flexural Modulus	D-790	310,000	psi
Vicat Softening Point	D-1525	253	°F
HDT @ 66 psi, Annealed	D-648	225	°F
Mold Shrink	D-955	.004-.007	in/in

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