

Injection

Applications

- Housewares
- Vials and Jars
- Consumer containers
- Drink cups

Description

GPSS C13 is a crystal polystyrene that has excellent clarity with a slight blue tint. It has improved cycle times in hard to fill parts. This resin is food contact compliant.

Property	Value	Unit	Method
Melt Index	13	g/10min	D 1238
Specific Gravity	1.04		D 792
Coefficient of Linear Thermal Expansion	5	in/in°F	D 696
Rockwell Hardness	107		D 785
Molding Shrinkage	4-8	in/in	D 955
Tensile Strength	6500	psi	D 638
Tensile Rupture	6500	psi	D 638
Elongation	3	%	D 638
Tensile Modulus	460000	psi	D 638
Flexural Strength	8000	psi	D 790
Flexural Modulus	480000	psi	D 790
Izod Impact Strength	0.4	ft-lb/in	D 256
Heat Deflection Temp. @ 264 psi	177	°F	D 648
Heat Deflection Temp. @ 66 psi	189	°F	D 648
Vicat Softening Temperature	208	°F	D 1525

This information, to our knowledge, is believed to be correct. The use of this product in its actual conditions are beyond our control and satisfactory results for this product is the customer's sole responsibility. User must make their own decisions regarding its suitability for their equipment and final products.

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