

# POLYCAST® PR™

## PERFUME RESISTANT ACRYLIC

Polycast *Perfume Resistant* Cast Acrylic Sheet is a modified acrylic polymer designed to be more resistant to crazing than standard acrylic. This is an advantage when the acrylic materials are exposed to chemicals associated with perfumes and cosmetics. Store displays and signs that accidentally may get exposed to these chemicals will be less likely to craze.

PROPERTY	Test Method	Category A
Tensile strength, (psi)	D638	11,250
Elongation at break, %	D638	6
Index of refraction	D542	1.49
Specific gravity	D792	1.19
Luminous transmittance, %	D1003	92
Spectral transmittance, %		0% @ 390 mm
UV Transmission, %	(Spectrophotometer) (290-370mm)	0
Haze, %	D1003	<0.5
Dimensional tolerance,:		
Thickness, %		See table 3, ASTM D4802
Shrinkage, %		2
Water absorption, %	D570 (24-h method)	0.3
Deflection temperature under flexural load, 1820 kPa (264 psi), °C (°F),	D648	
<12.0 mm (0.472 in.)		92
>12.0 mm (0.472 in.)		95
Thermal Expansion, in/in/deg F	ASTM D966	0.000042
Flammability, in. per min	ASTM D635	1.2
Impact strength, Izod, J/m (ft-lb/in.), min	D256, Method A	16.0 (0.3)
Craze Resistance, psi	Sec. 4.5.15 per Performance Specification of Plastic Sheet, Acrylic, Modified	2000

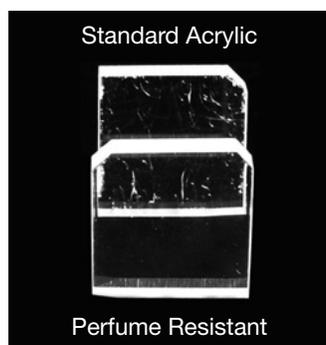
Alcohol Immersion, 3 weeks

IPA/ethanol

no craze visible

*All values meet or exceed ASTMD4802.*

*(Note: Values stated are typical for .250 thickness; tested under standard ASTM temperature and humidity conditions.)*



Samples exposed to 80% IPA/20%EA

# MODERN plastics

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