

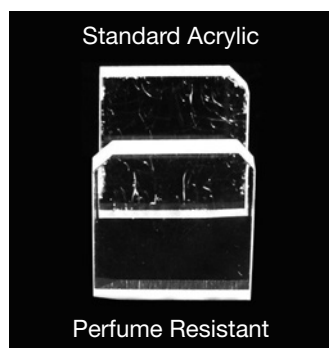
POLYCAST[®] PR[™]

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



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CELL CAST ACRYLIC

70 Carlisle Place • Stamford, CT 06902
 Phone: 1-800-243-9002 • 203-327-6010
 Fax: 1-800-631-4005 • Int'l. Fax 203-323-2925
www.dss.polyone.com/polycast
polycast.marketing@polyone.com

