

# Technical Data

## INTELLATHANE® 6190 55DS

### PRODUCT DESCRIPTION AND APPLICATIONS

**Intellathane® 6190 55DS** is a two component, 100% polyurea spray elastomer system. This product provides a flexible but extremely tough monolithic membrane with excellent water and chemical resistance. It has been used as a fast flexible mold making material where pattern transfer is required.

### TYPICAL PHYSICAL PROPERTIES

(For components)	COMPONENT A	COMPONENT B
Viscosity, cps	600	1200
Specific gravity	1.15	1.05
Mixing ratio by weight	53	47
Mixing ratio by volume	50	50

(For cured material)	TEST METHOD	RESULTS
Shore D hardness	ASTM D-2240	53 – 57
Tensile strength, psi	ASTM D-412	> 5500
Elongation, %	ASTM D-412	400
Tear, Die C, pli	ASTM D-624	690

*\*Please note: Ultimate physical properties were obtained after cured samples were sprayed at a minimum pressure of 2500 psi, and allowed to cure for a minimum of seven days. Actual results may be higher or lower than the data published above.*



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## REACTIVITY DATA

Gel time at 74°F, seconds	3
Cure time, hours	24

## HANDLING PROCEDURES

After containers have been opened, blanket both components with dry nitrogen during processing and storing. Keep containers closed when possible, to exclude any atmospheric moisture. Component A and B must be maintained above 65°F to prevent solidification. If solidification occurs in component A, heat in a convection oven at 140-160°F. The material will liquefy at 100°F (approx. 48 hours for a 55 gallon drum). Mix thoroughly under a blanket of nitrogen using an efficient mechanical drum mixer.

## IMPORTANT NOTICE

The information contained herein is based on data believed to be accurate at the time of publication. Data of this type should not be used for specification for fabrication and product design as it is the user's responsibility to determine this product's fitness for a particular use.

Call **Accella Polyurethane Systems** for technical questions. 770-607-0755.

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