

Part A – Rhino® Flex 11-35 Iso – Part #60131

Part B – Rhino® Flex 11-35 Resin – Part #60136

DESCRIPTION: Rhino® Flex 11-35 is a micro-cellular, spray polyurethane foam with excellent physical properties, making it ideal for a variety of energy absorption needs. Rhino Linings developed this material to meet the needs of design engineers today. Rhino Flex contains no CFCs. This foam is self-leveling, has outstanding rebound properties and has a soft feel when used for in-mold coatings and post-applied coatings. It is easy to apply and has excellent “flow-out” characteristics when used on another foam or substrate. End-use applications include “soft cushion”, “soft touch” and “soft play” applications and can also be utilized in OEM fabrication for the automotive, off-highway equipment, animal enclosures and amusement ride industries. For a complete “cushion” system, Rhino Flex can be paired with our spray elastomer systems.

TYPICAL USES:

- “Soft cushion”, “soft touch” and “soft play” applications
- Utilize in OEM fabrication for the automotive, off-highway equipment, animal enclosures and amusement ride industries

CHEMICAL PROPERTIES*:	Test	Isocyanate	Resin
Specific Gravity (grams/cc)	ASTM D-792	1.19	1.03
Viscosity, cps		180 – 250	700 – 850
Solids by Volume/Weight		100%	100%
Volatile Organic Compounds, calculated		0 lbs/gal	0 lbs/gal
Mix Ratio, parts per volume		1	1
Mix Ratio, parts per weight		109	100
Rise Time, seconds		30	
Tack Free, seconds		120	
Base Color		amber/brown	opaque
Shelf Life - Unopened Containers		12 months	12 months

*Properties were tested at 77°F (25°C).

TYPICAL PHYSICAL PROPERTIES:	Test	Result
Hardness (Shore A)	ASTM D-2240	35
Density, core (pcf @ 4 in lift)	ASTM D-1622	30 lbs/sqft

PROCESSING RECOMMENDATIONS:

Equipment Used	Graco Reactor E-XP2 or E-XP1 with 50 ft heated hose and 10 ft hose whip
Spray Gun	Fusion - RhinoPro™ Air Purge Gun with AR4242 mix module
Process Temperatures, °F	
Iso Component	130° – 135°F (54° – 57°C)
Resin Component	130° – 135°F (54° – 57°C)
Hoses	130°F (54°C)
Process Pressure, psi minimum (static)	1000

SAFETY PRECAUTIONS: Health Considerations: Consult the Rhino Linings® Safety Data Sheets (SDS)

This chemical system requires the use of proper safety equipment and procedures. Please follow the Rhino Linings® product SDS and Safety Manual for detailed information and handling guidelines.

For Your Protection: The information and recommendations in this publication are, to the best of our knowledge, reliable. Suggestions made concerning the products and their uses, applications, storage and handling are only the opinion of Rhino Linings Corporation. Users should conduct their own tests to determine the suitability of these products for their own particular purposes and of the storage and handling methods herein suggested. The toxicity and risk characteristics of products made by Rhino Linings Corporation will necessarily differ from the toxicity and risk characteristics developed when such products are used with other materials during a manufacturing process. The resulting risk characteristics should be determined and made known to ultimate end-users and processors.

Because of numerous factors affecting results, **Rhino Linings Corporation makes no warranty of any kind, express or implied**, other than that the material conforms to its applicable current Standard Specifications. Rhino Linings

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RHINO® FLEX 11-35 *(continued)*

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