

ASC-2111 HIGH RESILIENT FLEXIBLE FOAM

DESCRIPTION

ASC-2111 is a flexible foam resin designed for high performance applications where high resiliency is required. It is a polyurethane foam system which features favorable physical properties such as humid aged compression sets, dynamic flex fatigue, confort factors and tensile strength. Its reactivity can be varied depending on the application molding consideration.

APPLICATIONS

- High Resilent Resin to reduce slabfoam wethead cost
- Seats cushions (Motorcycle, tractor, snowmobile, etc.)
- Prime Carpet Underlayment
- Flexible Toys
- Mattress Cores for bedding

PROCESSING INFORMATION

Ratio	B/A by weight	2.5/1.0
Temperture	(°F)	80
Viscosity	Component A (cps @77°F)	90 - 230
	Component B (cps @77°F)	1500 ± 200
Reactivity	Cream (seconds)	10 - 20
	Gel (Seconds)	60 - 90
	Total rise (seconds)	100 - 120
	Demold Time (minutes)	5 minutes





PHYSICAL PROPERTIES

VERSUS MDI @ 105 INDEX

Density	(pcf, free rise)	2.7 - 3.0
Tensile	(psi)	33
Elongation	(%)	150

Split Tear		1.9
50% Compression Set		8

VERSUS TDI @ 105 INDEX

Foam Density		2.50
Tensile Strength, psi		22
Tear, pi		2.2
Resilience, % ball rebound		62
Elongation, %		170

IFC, lb/50sq. in (4 inch)		30
25%		70
65%		81.0
25% Recover, %		2.33

Sag Factor

Compression sets, %	
50%	
90%	

Air porosity, cfm (crushed)		1.8
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WARNING: Polyurethane product manufactured or produced from these chemicals may present a serious fire hazard if improperly used or allowed to remain exposed or unprotected. The character and magnitude of any such hazard will depend upon a broad range of factors which are controlled or influenced by the manufacturing or production process, by mode of application or installation and by the function and usage of the particular product. Each person, firm or corporation engaged in the manufacture, production, application, installation, or use of any polyurethane product should carefully determine whether there is a potential fire hazard associated with such product in a specific usage and utilize all appropriate precautionary and safety measures. PLEASE READ THE MATERIAL SAFETY DATA SHEETS FOR THE PROPER USE AND HANDLING OF THESE MATERIALS!

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