



Technical Data Sheet

I-Skin Foam

I-Skin Foam (Integral-Skin) is a high performance self-skinning foam designed for toughness and durability. Its hardness ranges from semi-rigid to sponge-soft to provide for multi-versatile applications such as commercial impact floor mats, seating cushions, vibration insulators, rigid impact panels, sports equipment, soft/rigid play toys, etc. It may be formulated in any color and many densities to accommodate very specific requirements.

This unique foam exhibits very low compression set while providing dimensional stability through its wide operating temperature range. I-Skin Foam is formulated from special MDI prepolymers to create very fast molding cycles. It is available using water or gas blown formulations. I-skin can also be formulated to meet CAL 117, MVSS 302 and FAR 25.853a.

Physical Properties

I-SKIN FOAM TYPICAL PHYSICAL PROPERTIES

TYPE	HARDNESS		SOFT	MEDIUM	HARD
Molded Density (PCF)	ASTM D1622		8	15	25
Tear Resistance	ASTM D624		50 lb in	80 lb in	150 lb in
Tensile Strength	ASTM D1623		130 psi min.	160 psi min.	180 psi min.
Compression Set @75%	ASTM D3574		14 % max.	10% max.	10% max.
Elongation	ASTM D3574		140% min.	100% min.	50% min.

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