



Technical Data Sheet

Cushion Foam

Cushion Foam is a superior bio-based flexible microcellular open-cell foam designed to deliver very high toughness and durability for diverse fields of application such as furniture seating cushions, automotive seating, house-wraps, play toys, shock and vibration absorption, impact sports padding, sound-proofing, etc. Seating densities normally range from 3-5 pcf. Density formulations may be adjusted to accommodate other very specific requirements including colors.

This unique bio-based high resilient (HR) flexible foam exhibits very low compression set while providing dimensional stability through its wide operating temperature range. Cushion Foam is formulated from special MDI pre-polymers to create very fast production and de-molding cycles.

Please call or email our Technical Support Group for any questions regarding material, application or prospective uses.

Physical Properties

Cushion Foam Physical Properties

TYPE HARDNESS		SOFT	MEDIUM	HARD
Fire Rating	FMVSS302	Pass	Pass	Pass
Indentation Force Deflection	ASTM D3574	*18-30 lb	*30-50 lb	*50-85 lb
Tear Resistance	ASTM D624	*1.0 lb/in	*1.2 lb/in	*1.4 lb/in
Tensile Strength	ASTM D1623	*13 psi min.	*16 psi min.	*16 psi min.

Compression Set @75%	ASTM D3574	*14 % max.	*10% max.	*10% max.
Elongation	ASTM D3574	*140% min.	130% min.	100% min.
Sag Factor	ASTM D3574	*2.9 min.	*2.9 min.	*2.9 min.
Resilience (Ball Rebound)	ASTM D3574	*52%	*50%	*49%

* Property Values will be relative to a particular foam density. Densities range from 3-5 PCF. Values shown are for 4.0 PCF.

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