

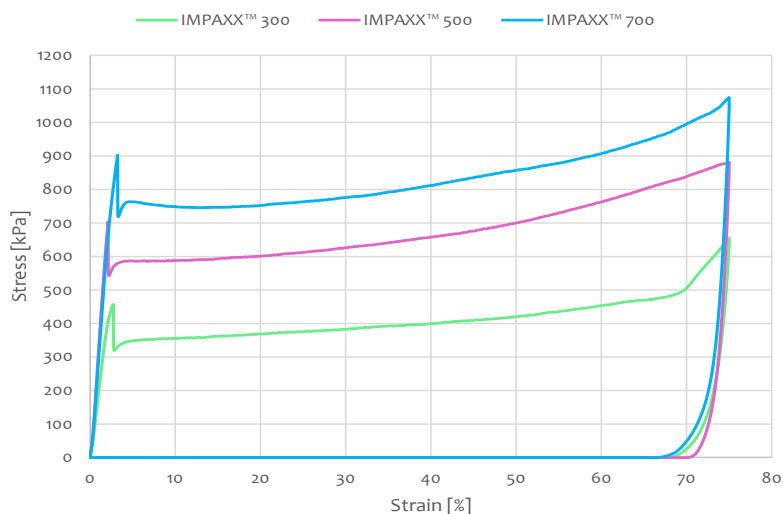
IMPAXX™ Energy Absorbing Foam – Product Data Sheet

Features and Benefits

Highly engineered lightweight foam that maximizes performance in reduced packaging spaces. Square wave curve for maximum energy absorption during loading. Simple manufacturing techniques allow for immediate integration during vehicle testing. Zero production tooling required for standard manufacturing allows for flexibility to optimize cost and performance without additional cost. Consistent performance from prototype to production due to processing technique. Product can be CNC wire cut, die cut, waterjet cut, cold formed, or thermoformed into simple or complex shapes.

Standard applications

- Headliner Safety components
- Garnish/Pillar Trim
- Front and Rear Doors
- Knee Bolster protection
- Steering Column/IP
- Seatback protection
- Headrest inserts
- Core for Composite applications



Physical Properties	Characteristic	Test Method	Orientation	IMPAXX™ 300	IMPAXX™ 500	IMPAXX™ 700
	Density	ASTM D3575 Suffix - W Method A	N/A - 110mm cube	37kg/m ³	39kg/m ³	42kg/m ³
	Compressive Strength	ASTM D1621, 23°C 24 Hour Soak	Vertical - 110mm Cube	363 kPa	588 kPa	748 kPa
			Vertical - 110mm Cube	380 kPa	613 kPa	762 kPa
			Vertical - 110mm Cube	437 kPa	700 kPa	853 kPa
	Compressive Strength	ASTM D1621, -15°C 24 Hour Soak	Vertical - 110mm Cube	389 kPa	630 kPa	819 kPa
			Vertical - 110mm Cube	409 kPa	656 kPa	827 kPa
			Vertical - 110mm Cube	466 kPa	734 kPa	911 kPa
	Compressive Strength	ASTM D1621, 60°C 24 Hour Soak	Vertical - 110mm Cube	312 kPa	541 kPa	676 kPa
			Vertical - 110mm Cube	333 kPa	567 kPa	693 kPa
Vertical - 110mm Cube			402 kPa	668 kPa	807 kPa	
Water Absorption	SAE J315 @24hr	N/A	<10%	<10%	<8%	
Flammability	FMVSS302	N/A	Self Extinguishing	Self Extinguishing	Self Extinguishing	
Fogging	SAE J1351 @16hr	N/A	99.6	99.7	99.6	