



SHAPING THE FUTURE OF AUTOMOTIVE FLOORING

THROUGH MATERIAL STRENGTH
AND APPLICATION EXPERTISE

OUR INNOVATIVE PLASTIC SOLUTIONS HELP PROPEL THE TRANSPORTATION INDUSTRY FORWARD.

Vehicles, whether on land or water, public or personal, require a balance of durability and comfort, flexibility and lightweight parts. And Spartech is making a world of difference in plastic solutions that are functional, cost effective, durable, diverse, reliable and sustainable.

Plastics make life better. You see it, touch it and depend upon plastic for a vast variety of applications in cars, passenger rail cars, agricultural vehicles, buses, recreation vehicles, trucks and public transportation. We bring innovative ideas to each of these industries so that they can continually meet their manufacturing demands.

Spartech is making all this possible every day. It's evident with our experienced material engineers, Innovation Center, supply chain reliability as well as our on time and on budget material delivery. What we promise to you is backed by 50+ years of helping customers meet their exact requirements. As for where Spartech will take transportation plastics tomorrow, there's no limit.

Durable Thermoplastic Sheet for Transportation Flooring

PRODUCT DESCRIPTION

Floorlite® is Spartech's premier line of thermoplastic sheets, engineered specifically for a broad range of transportation applications, including Automotive, Heavy Truck, and RV industries. With over 25 years of expertise in the automotive flooring market, Floorlite® delivers a lightweight yet exceptionally durable solution by combining low-specific-gravity polymers with mar-resistant additives. Proudly made in the USA, this innovative material not only meets rigorous performance standards but also supports sustainability through our regrind buyback program, enabling closed-loop post-industrial recycling (PIR) with our customers.

MARKETS AND APPLICATIONS

Floorlite® is an exceptional choice for many markets and applications, including:

- **Automotive** – non-carpeted flooring and cargo van liners, inlay for load floors, truck rail, etc.
- **Recreational Vehicles** – tail gates and entrance treads
- **Heavy Truck** – driver and sleeper cabin flooring
- **Agricultural Equipment** – tread steps and interior flooring
- **Marine** – storage and deck flooring, engine compartment barrier

SUPERIOR PERFORMANCE

- Custom colors and textures – retains colorfastness under UV exposure in exterior applications
- Excellent scratch & mar resistance
- Non-slip & washable
- Meets OEM specifications for stain resistance and discoloration from harsh cleaners & automotive chemicals
- Reduced weight – low specific gravity
- Conforms well to automotive flooring contours



Driving Success with Materials Expertise

At Spartech, our customers' success is built on decades of thermoforming experience and advanced material testing capabilities. As a solution-driven partner, we provide exactly what you need—custom material formulations, prototyping, part design assistance, sampling, and more—to help you achieve your desired outcomes.

The thermoforming process offers a cost-effective alternative to injection molding, especially for large parts produced in lower volumes. This advantage makes Spartech the ideal choice for industries such as automotive, trucking, public transportation, and recreational vehicles.

With innovation and efficiency at the core of our approach, we help drive your projects toward success.

FLOORLITE® C

Applications: Non-carpet/weatherable flooring for Automotive OEM, Last Mile Delivery, Heavy Truck, and Specialty Vehicles

Performance: Durability (Abrasion, Scratch & Mar, and chemical resistance), Washability, Flexibility, Custom colors, and color fastness

Solutions: Floorlite® C is an OEM-approved, calendared TPO sheet developed for durable flooring where flexibility is the key to the best fit complex vehicle interiors.



FLOORLITE® C PCR

Applications: Flooring for Automotive OEM, Last Mile Delivery, Paratransit, Heavy Truck

Performance: Sustainable, Durability (Abrasion, Scratch & Mar, and chemical resistance), Washability, Flexibility, Custom color and color fastness

Solutions: Floorlite® C PCR is calendared TPO sheet that is engineered with up to 39% certified post-consumer recycled content to support sustainable manufacturing. This eco-friendly solution helps OEMs meet their recycling targets while maintaining high performance and quality standards for a greener, more responsible future.



FLOORLITE® TPR

Applications: Floor Mats, Cargo Mats

Performance: Durability (Abrasion, Scratch & Mar, and chemical resistance), Washability, Structural rigidity holds formed corners

Solutions: Floorlite® TPR offers superior flexibility and elasticity, maintaining softness without becoming overly stiff in cold or too soft in heat. Its refined appearance enhances vehicle interiors, while its natural slip resistance provides better grip and traction, even in wet conditions, ensuring mats stay securely in place and offer a cushioned feel underfoot.



Floorlite® Technical Properties

TECHNICAL PROPERTIES – FLOORLITE® C			
PROPERTY	TEST METHOD	TYPICAL VALUE	UNITS
Specific Gravity	ASTM D 792	0.09	
Hardness	ASTM D-2240	84	Shore -A
Tensile Strength	ASTM D-638	MD 1775	psi
		TD 1400	psi
Tensile Modulus	ASTM D-638	MD 12200	psi
		TD 9750	psi
Tensile Elongation	ASTM D-638	MD 1150	%
		TD 1150	%
Tear Strength	ASTM D-624	MD 290	psi
		TD 320	psi
Flammability	FMVSS302	MD pass ,< 4	in/min
		TD pass ,< 4	in/min

TECHNICAL PROPERTIES – FLOORLITE® C PCR (@39%)			
PROPERTY	TEST METHOD	TYPICAL VALUE	UNITS
Specific Gravity	ASTM D 792	0.92	
Hardness	ASTM D-2240	87	Shore -A
Tensile Strength	ASTM D-638		psi
			psi
Tensile Elongation	ASTM D-638	MD 1178	%
		TD 1178	%
Tear Strength	ASTM D-624		psi
Flammability	FMVSS302	MD pass, < 4	in/min
		TD pass, < 4	in/min

TECHNICAL PROPERTIES – FLOORLITE® TPR			
PROPERTY	TEST METHOD	TYPICAL VALUE	UNITS
Specific Gravity	ASTM D 792	0.94	
Hardness	ASTM D-2240	93	Shore -A
Tensile Strength	ASTM D-638	MD 1,400	psi
		TD 1,345	psi
Tensile Elongation	ASTM D-638	MD 1100	%
		TD 1125	%
Tear Strength	ASTM D-624	MD 325	psi
		TD 355	psi
Izod Impact (Notched) 72°F	ASTM D-256	No Break	
Vicat Softening Temperature	ASTM D-1525	183°F	
Flammability	FMVSS302	MD pass, < 4	in/min
		TD pass, < 4	in/min

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