

Prime HMWPE 1000 SR

Our Prime HMWPE 1000 SR is a co-extruded product consisting of a cap layer on both sides of the sheet to provide a skid resistant surface.

Good rigidity and impact strength even at low temperatures. These properties make this product ideal for thermoforming large parts.

Customization

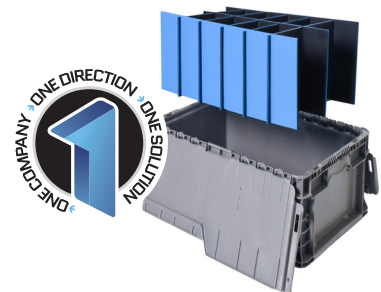
Prime HMWPE 1000 SR is extruded and thermoformed using the same conditions as HMWPE. However, an A-B-A feed block is required for extruding the 3-layer sheet.

Prime HMWPE 1000 SR can be color matched to meet your specific requirements through our vertical integration with Primex Color, Compounding & Additives.

Sustainability

Sustainability includes considering the product's circularity or end of life during the design of the finished product. Prime HMWPE 1000 SR is a polyethylene (recycle code 2) that can be recycled as a post-industrial or post-consumer product. Contact your Primex Territory Business Manager or check with local recycling facilities to determine where it is collected and recycled.

Primex Sustainability: A better tomorrow, starting today!



Prime HMWPE 1000 SR | Data Sheet

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| Property | Method | Value | Unit |
|-------------------------|--------|-------------|----------|
| Specific Gravity | D1505 | .967 | |
| Melt Flow | D1238 | 20.1 | g/10 min |
| Tensile @ Yield | D638 | 2,680 | psi |
| Flexural Modulus | D790 | 71,900 | psi |
| Notched Izod @ 73°F | D256A | .315 | |
| Coefficient of Friction | D1894 | .062 Static | °F |

Applications

Prime HMWPE 1000 SR is designed for pallets, dunnage trays, truck bed liners, or any other parts that require a high COF.

Finishing

Prime HMWPE 1000 SR Cutting and machining of this product may be done by sawing, drilling, grinding, sanding, punching, die cutting, and routing. The material may be bonded with mechanical fasteners and sonic welding.

Colors, Textures, and Capabilities

Prime HMWPE 1000 SR available textures include H/C, Levant II, Seville, RM, and Levant III. This product is offered in .100 to .400 in., total thickness and up to 160" wide.

| Prime HMWPE 1000 SR | Very High | High | Avg. |
|---------------------------------|-----------|------|------|
| Impact Strength | * | | |
| Low Temperature Impact Strength | * | | |
| Tensile Strength | | | |
| Flexural Modulus | | | * |
| Heat Deflection Temperature | | | * |