

SIMONA® ABS 120

Utility ABS sheet with a prime, medium impact ABS cap, offering a great balance of rigidity and durability in an easy-to-process product



Acrylonitrile Butadiene Styrene (ABS) is a versatile, widely used thermoplastic with excellent impact resistance, high stiffness, creep resistance, and ease of processing. SIMONA provides various ABS options tailored for specific impact and surface performance needs.

SIMONA stocks PMC 120 in black with a Haircell texture but also offers custom options. These include UV-resistant cap layers, custom colors, and additional customization choices.

Advantages

- Good impact resistance, combining toughness with rigidity
- Easy to fabricate
- Excellent electrical properties
- Suitable for forming through conventional methods with a broad forming range
- Readily printable, paintable and adhesive friendly
- Options available for enhanced weather resistance
- Offered in both sheet and roll formats

Applications

- POP displays
- Electrical housings
- Heavy truck cab interior
- cargo haulers
- Automotive trim
- Tub and shower surrounds

Additional Available Options

- UV resistant
- High impact
- Medium impact
- Low impact
- Flame retardant

Colors

- White
- Black
- Custom colors



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PROPERTY	TEST METHOD	UNITS	TYPICAL VALUES
Specific Gravity	ISO 1183	-	1.02 - 1.05
Gloss, 60° (smooth, post-formed, male tooling)	ASTM 523	%	20 - 90
MECHANICAL			
Shrink Rate	ISO 294-4	%	0.4 - 0.8
Flexural Modulus	ASTM D790	psi MPa	200,000 1,999
Tensile Strength at Yield	ASTM D638	psi MPa	5076 - 5802 35 - 40
Izod Impact (Notched)	at 73°F (23°C) at 0°F (-18°C)	ASTM D256	ft*lb/in 5.0 2.5

*Smooth gloss noted. Color & Texture can affect post-formed gloss rating.

NOTE: Data values are typical properties and are not to be construed as specifications. Users should confirm results by their own tests and evaluation methods. SIMONA makes no warranties, expressed or implied, concerning the suitability of use. No freedom from infringement of any patent of others is to be inferred. SIMONA reserves the right to make additions, deletions, or modifications to this information at any time without prior notification. Rev. 04.20

Configurations
Standard Sizes Gauges — Up to .400” (Up to 10.16mm) Width — Up to 116” (Up to 294.64cm) Standard Texture — Haircell/Smooth
Popular Custom Textures
<ul style="list-style-type: none">■ Haircell■ Smooth■ Sand■ Seville■ And More

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