

DSM 3.0.3 ABS SHEET

General:

ABS Sheet is the material choice for many fabricated and thermoformed components.

Benefits:

It is tough with good temperature and chemical resistance and yet remains very easy to process. ABS products have very high aesthetic qualities as the sheet is available in an enormous range of colours, textures and gloss levels. The product is ideally suited to vacuum forming and can be post assembled by adhesive bonding, ultrasonic welding and mechanical fastening.

Limitations:

- Limited (UV) weathering resistance.
- Poor solvent resistance.
- Low service temp (melts easily).
- Low flame-retardant standards (UL94: HB).

ASM (DEK) Applications:

- Fabricated and/or vacuum formed covers.
- The preferred DEK -ASM Texture is **Pinseal**

STANDARD THICKNESS								
INCHES	0.028	0.040	0.060	0.080	0.093	0.125	0.187	0.250
MM	0,71	1,02	1,52	2,03	2,36	3,18	4,75	6.35

TEXTURES								
Smooth	Haircell	Pinseal	Balmoral	Stag	Sandblast	Seville	Sport	Calf

These values are representative. For critical applications, refer to data-sheet.

MECHANICAL PROPERTIES					
MATERIAL DETAILS	TENSILE STRENGTH:	YOUNGS MODULUS:	POISSONS RATIO:	DENSITY:	UL No.
VTS Royalite R21	41-45 MPa	2.1-2.4 GPa	0.38	1050 Kg/m ³	----

Alternatives:

Alternative polymers are allowed only with the express written permission of ASMPT. Please email details of your request to engineering_enquiries@asmpt.com

Issue	01	02	03	04	05	06	07	08	09
DCR		44832							

