

DSM 3.0.5 RECYCLED ABS + Virgin Capsheet

General:

ABS Sheet is the material choice for many fabricated and thermoformed components. This variant is a medium impact reprocessed ABS that has been capped with virgin ABS to improve the surface quality & colour consistency

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: (unmodified)

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

ASM (DEK) Applications:

- Thermoformed machine cover sets.
- The preferred DEK -ASM Colour is **White**

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 R32	48 MPa	2.1-2.4 GPa	0.38	1080 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		40738	44832						

