

DSM 5.1.1 VeroBlack Plus RGD857

Definition:

A material suitable for 3D Printing using the Polyjet process

General:

For producing accurate, high resolution small and medium prototypes, that require the finest features and detail. Parts as small as 0.3175 mm

Vero photopolymers offer strength, stiffness and versatility 3D print smooth, accurate parts for testing, surgical planning or tooling.

3D Printed material will have lower mechanical properties then a comparable part that has be manufactured from solid material or injection moulded parts. Allowances should be made to increase the cross section of the part if mechanical functionality is to be required, if a space model is required that simulates a moulded part then no allowance is necessary.

Mechanical Properties

PROPERTY	UNITS	VALUE
Tensile Strength	MPa	50 – 65
Elongation at break	%	10-25
Modulus of elasticity	MPa	2000-3000
Flexural strength	MPa	75-110
Flexural modulus	MPa	2200-3200
HDT, oC @ 0.45MPa	°C	45-50
Izod notched impact	J/m	20-30

ASM (DEK) Applications:

Please email details of your request to engineering_enquiries@asmpt.com

Issue	01	02	03	04	05	06	07	08	09
DCR	N/A								