

PRODUCT DATA BULLETIN

VA-285 Polyurethane Elastoplastic

DESCRIPTION

VA-285 is a tough, abrasion resistant polyurethane elastomer formulated for room temperature hand batch processing. Excellent physical properties are obtained with a one hour postcure at 150° F. without the utilization of MOCA or TDI.

APPLICATIONS

- * Fixtures * Rollers * Pallets
- * Models * Prototypes * Metal Forming Faces
- * Encapsulations * Wheels

TYPICAL PROPERTIES

Resin/Hardener ratio (Parts by Weight)	100/58
Resin/Hardener Ratio (Parts by Volume)	100/64
Resin viscosity (@ 77 F.)	200cps
Hardener viscosity (@ 77 F.)	970 cps
Initial mixed viscosity	500 cps
Working life (@ 77 F.)	4-5 Min.
Color	Off White
Demold time	1 Hr. After 150°F.

CURED PROPERTIES

Test method 1 Hour @ 150° F. and 24 Hours @ 77° F.

Hardness	ASTM D-2240	77 -82 D
Tensile Strength	ASTM D-638 @ .5/min.	11 ,718 psi
Elongation at Break	ASTM D-638 @ .5/min.	7.5 %
Flex Modulus	ASTMD-790	331,700 psi
IZOD IMPACT	ASTM D-256	.73 ft.lb/inch
Linear Shrinkage	ASTM D-2566 Mold #1	0.005 in./in.
Heat Distortion Temperature	ASTM D-248 264 PSI	84 ° C.