

PRODUCT DATA BULLETIN

TD 287-01A Polyurethane Elastomer

DESCRIPTION

TD 287-01A is a tough, abrasion resistant polyurethane elastomer formulated for room temperature hand batch processing. Excellent physical properties are obtained with only a room temperature cure 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)	100/100
Resin viscosity (@77F.)	45cps
Hardener viscosity (@ 77 F.)	800 cps
Initial mixed viscosity	400 cps
Working life(@ 77 F.)	5-7 min.
Color	White
Demold time	2 Hrs.
Ultimate cure @ 77 F.	7 days

CURED PROPERTIES

24 hrs. @ 77 F & 12 hrs. @ 160 F

	Test method	
Hardness	ASTM D-2240	70-80 D
Tensile Strength	ASTM D-638 @ .5/min.	10,100 psi
Elongation at Break	ASTM D-638 @ .5/min.	7.5%
Flex Modulus	ASTM D-790	315,000 PPI
Linear Shrinkage	ASTM D-2566 Mold # 1	.002 in./in.
Heat Distortion Temperature	ASTM D-648 (66 PSI)	165 F