

PRODUCT DATA BULLETIN

TD 285-01B

POLYURETHANE ELASTOMER

DESCRIPTION

TD 285-01B 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 * Pallet
- * Models * Prototypes
- * Metal Forming Faces
- * Encapsulations * Wheels

TYPICAL PROPERTIES

Resin/Hardener ratio (Parts by Volume)	100/100
Resin/Hardener ratio (Parts by Weight)	100/91
Resin viscosity (@ 77° F.)	45 cps
Hardener viscosity (@ 77° F.)	800 cps
Initial mixed viscosity	400 cps
Working life (@ 77° F.)	3:45-4:45 Min.
Color	Yellowish Tan
Demold time	1-2 Hrs.
Ultimate cure @ 77° F.	7 days

CURED PROPERTIES

	Test Method	24 hrs. @ room temp	7 Days	1 hr. @ 150°F +24hrs. @ roomtemp
Hardness	ASTM D-2240	75-85 D	75-85 D	75-85 D
Tensile Strength	ASTM D-638 @.5/min.	8000 psi	9200 psi	8350 psi
Elongation at Break	ASTM D-638 @.5min.	3%	4%	6%
Flex Modulus	ASTM D-790	400,000 psi	400,000 psi	340,000 psi
Linear Shrinkage	ASTM D-2566 Mold#1 (In./in.)	.004	.002	.004
Izod Impact	ASTM D-256	.5ft.lb./in.	.5ft.lb./in.	.71ft.lb./in.
Heat Distortion Temp	ASTM D-648	66 psi 66° C 264 psi 60° C	66° C 61° C	68° C 62° C