

PRODUCT DATA BULLETIN

IE-72DC POLYURETHANE ELASTOMER

DESCRIPTION

IE-72DC is tough, water clear polyurethane elastomer formulated for room temperature hand batch processing. The unique chemistry of the system imparts excellent optical clarity. Excellent physical properties are obtained with only a room temperature cure without the utilization of MOCA or TDI.

APPLICATIONS

- * Prototypes * Flow Models
- * Rollers * Pallets
- * Encapsulating * Lenses
- * Fixtures

TYPICAL PROPERTIES

Resin/Hardener ratio (Parts by Weight)	100/50
Resin/Hardener ratio (Parts by Volume)	100/57
Resin viscosity (@ 77 ° F.)	900 cps
Hardener viscosity (@ 770 F.)	4000 cps
Initial mixed viscosity	825 cps
Working life	15-20 min.
Color	Clear
Demold time	2-4 hours
Ultimate cure @ 77° F.	7 days

CURED PROPERTIES

Test Method 24 hours @ 770. F.

Hardness	ASTM D-2240	70-80 D
Tensile Strength	ASTM D-638 (1" per minute)	9700 psi
Elongation at Break	ASTM D-638	5%
Flex Modulus	ASTM D-790	250,000 psi
Linear Shrinkage	ASTM D-2566 Mold #1	.004 in./in.
Heat Distortion Temperature	ASTM D-648 @66 psi	140°F
_____	With postcure of 150°F for 8 hours	170°F