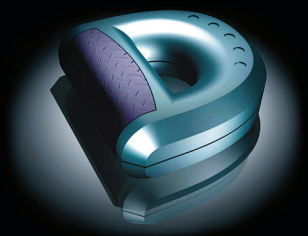
FIGURE 4™ ELAST-BLK 10

A rubber-like material for accelerated designing and prototyping of elastomeric products.



Drumlord Limited
Prototyping Technologies

DESIGN AND TEST ELASTOMERIC PARTS

Figure 4 ELAST-BLK 10 is a material suited for the prototyping and design of a wide variety of elastomeric parts. Producing parts in a fraction of the time required to produce molded parts, this material accelerates the design and iteration of new concepts with rubber-like functional prototypes for industrial and consumer goods applications.

APPLICATIONS

- Design verification and validation and testing of:
  - Hoses - Tubes - Weatherstripping - Seals - Grommets
  - Gaskets - Spacers and other vibration dampening components

BENEFITS

- Verify, modify and optimize designs of elastomeric parts prior to production
- Excellent shape recovery
- Realistic rubber look and feel

FEATURES

- Medium softness/stiffness
- High elongation at break
- Excellent compressive characteristics

LIQUID MATERIAL

MEASUREMENT	CONDITION	VALUE	
Viscosity	@ 25 °C (71 °F)	1200 cps	
Color		Black	
Solid Density	@ 25 °C (77 °F)	1.13 g/cm^3	0.041 lb/in^3
Liquid Density	@ 25 °C (77 °F)	1.06 g/cm^3	0.038 lb/in^3

POST-CURED MATERIAL

MECHANICAL PROPERTIES			
MEASUREMENT	CONDITION	METRIC	U.S.
Tensile Strength (MPa | PSI)	ASTM D412	3.6	522
Tensile Modulus (MPa | KSI)	ASTM D412	3.6	0.522
Elongation at Break	ASTM D412	83%	83%
Tear Strength (kN/m | Lbf/in)	ASTM D624	11	64
Compression Set	ASTM D395	0.87%	0.87%
Glass Transition (Tg)	DMA, E"	-26 °C	-16 °F
Hardness, Shore	ASTM D2240	65A	65A
Water Absorption	ASTM D570	1.4 %	1.4 %

DRUMLORD LTD UNIT 6, DARREN DRIVE PRINCE OF WALES INDUSTRIAL ESTATE ABERCARN, NEWPORT NP11 5AR | T +44 (0)1495 249232 F: +44 (0)1495 249050 E: MAIL@DRUMLORD.CO.UK DRUMLORD.CO.UK