

Polymax® Maxelast® C4870 TPE, Transparent

Category : Polymer , Thermoplastic , Elastomer, TPE

Material Notes:

Polymax's TPE material complies with UL, VDE, FDA, RoHS and PAH's standards. Uses: Consumer Products Toys & Novelties Auto Parts Sporting Goods Wire & Cable Electronics Medical Devices Plastic Toughening Information from Alliance Polymers & Services, Distributor of Nantong Elastomer Technology Co.Ltd.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polymax-Maxelast-C4870-TPE-Transparent.php

| Physical Properties | Metric | English | Comments |
|---------------------|------------|------------|-----------|
| Specific Gravity | 0.902 g/cc | 0.902 g/cc | ASTM D792 |

| Mechanical Properties | Metric | English | Comments |
|-------------------------|----------------|--------------------|------------|
| Hardness, Shore A | 70 | 70 | ASTM D2240 |
| | @Time 10.0 sec | @Time 0.00278 hour | |
| Tensile Stress | 2.77 MPa | 402 psi | ASTM D412 |
| | @Strain 100 % | @Strain 100 % | |
| Tensile Strength, Yield | 4.73 MPa | 686 psi | ASTM D412 |
| | @Strain 300 % | @Strain 300 % | |
| Tensile Strength, Yield | 9.93 MPa | 1440 psi | ASTM D412 |
| Elongation at Break | 740 % | 740 % | ASTM D412 |

| Optical Properties | Metric | English | Comments |
|-----------------------|--------|---------|---------------------------------------|
| Transmission, Visible | 90 % | 90 % | transparent; thickness not quantified |

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