

## Mearthane Durethane F DF-235A Closed Cell Foam Polyurethane

Category : Polymer , Thermoset , Polyurethane, TS , Thermoset Polyurethane Foam, Unreinforced , Rubber or Thermoset Elastomer (TSE)

### Material Notes:

TDI backbone: ester. Shore 00 Hardness: 80 Summary: Durethane F is chemically blown urethane closed cell foam. Mearthane can custom formulate Durethane F, varying the physical properties (coefficient of friction, abrasion resistance, hardness and density) to suit various application. The rebound can be formulated for resiliency or energy absorption. Applications: Applications for Durethane F include self-cleaning paper feed rollers, retard pads, conveyor belts, bumpers shock absorbers and timing belts. Conductivity: All Durethane elastomers can be formulated to be electrically conductive, for applications involving electrostatic dissipation (ESD). Mearthane's proprietary conductivity process does not comprise the material performance specification of the urethane. Information provided by Mearthane Products Corporation.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Mearthane-Durethane-F-DF-235A-Closed-Cell-Foam-Polyurethane.php](http://www.lookpolymers.com/polymer_Mearthane-Durethane-F-DF-235A-Closed-Cell-Foam-Polyurethane.php)

| Physical Properties | Metric     | English                   | Comments    |
|---------------------|------------|---------------------------|-------------|
| Density             | 0.800 g/cc | 0.0289 lb/in <sup>3</sup> | ASTM D3574A |

| Mechanical Properties      | Metric       | English   | Comments                       |
|----------------------------|--------------|-----------|--------------------------------|
| Hardness, Shore A          | 35           | 35        | ASTM D2240                     |
| Tensile Strength, Ultimate | 13.8 MPa     | 2000 psi  | ASTM D3574E                    |
| Elongation at Break        | 215 %        | 215 %     | ASTM 3457E                     |
| 100% Modulus               | 0.000724 GPa | 0.105 ksi |                                |
| Compressive Yield Strength | 0.120 MPa    | 17.4 psi  | at 10% deflection; ASTM D3574C |
|                            | 0.230 MPa    | 33.4 psi  | at 20% deflection; ASTM D3574C |
|                            | 0.330 MPa    | 47.9 psi  | at 30% deflection; ASTM D3574C |
| Resilience                 | 37           | 37        | Bashore Rebound; ASTM 2632D    |
| Tear Strength Test         | 50           | 50        | lb; Die C; ASTM 3457F          |

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China