

## GRECO ISOTHANE 3075A Polyether TPU Resin

Category : Polymer , Thermoplastic , Polyurethane, TP , Thermoplastic Polyurethane (TPUR), Polyether Grade

### Material Notes:

ISOTHANE 3000 Series products are polyether based thermoplastic polyurethanes. They exhibit excellent hydrolytic resistance, fungus resistance, and low temperature performance properties. These products can be injection molded, blow molded, and extruded. Information provided by Greater Eastern Resins Industrial Co., Ltd.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_GRECO-ISOTHANE-3075A-PolyetherTPUResin.php](http://www.lookpolymers.com/polymer_GRECO-ISOTHANE-3075A-PolyetherTPUResin.php)

| Physical Properties | Metric    | English   | Comments  |
|---------------------|-----------|-----------|-----------|
| Specific Gravity    | 1.07 g/cc | 1.07 g/cc | ASTM D792 |

| Mechanical Properties          | Metric                                     | English                                    | Comments               |
|--------------------------------|--------------------------------------------|--------------------------------------------|------------------------|
| Hardness, Shore A              | 73                                         | 73                                         | ASTM D2240             |
| Tensile Strength               | 25.0 MPa                                   | 3630 psi                                   | ASTM D412              |
| Tensile Strength, Yield        | 2.30 MPa                                   | 334 psi                                    | ASTM D412              |
|                                | @Strain 50.0 %                             | @Strain 50.0 %                             |                        |
|                                | 3.20 MPa                                   | 464 psi                                    |                        |
|                                | @Strain 100 %                              | @Strain 100 %                              | ASTM D412              |
|                                | 5.40 MPa                                   | 783 psi                                    |                        |
|                                | @Strain 300 %                              | @Strain 300 %                              |                        |
| Elongation at Break            | 700 %                                      | 700 %                                      | ASTM D412              |
| Tear Strength                  | 390 kN/m                                   | 2230 pli                                   | ASTM D624              |
| Taber Abrasion, mg/1000 Cycles | 5.0                                        | 5.0                                        | ASTM D1044(Taber) H-22 |
| Compression Set                | 25 %                                       | 25 %                                       | ASTM D395              |
|                                | @Temperature 23.0<br>°C,<br>Time 79200 sec | @Temperature 73.4<br>°F,<br>Time 22.0 hour |                        |
|                                | 70 %                                       | 70 %                                       | ASTM D395              |
|                                | @Temperature 70.0<br>°C,<br>Time 79200 sec | @Temperature 158 °F,<br>Time 22.0 hour     |                        |

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