

# Huaфон HF-4080A

Thermoplastic Polyurethane Elastomer (Polyether)

Huaфон Group Co., Ltd.

Message:

Operation: Injection molding, Extrusion, Calendering  
Characteristics: Excellent hydrolytic resistance, Bacteria resistance, Low temperature elastic, Aging resistance  
Applications: Tube & hose, Fabric coating, compounding, Film, Fire hose, Animal ear tag, Accessories, etc.

| General Information |                      |
|---------------------|----------------------|
| Features            | Bacteria Resistant   |
|                     | Hydrolysis Resistant |
| Uses                | Compounding          |
|                     | Fabric Coatings      |
|                     | Film                 |
|                     | Hose                 |
|                     | Molded Ear Tags      |
|                     | Tubing               |
| Processing Method   | Calendering          |
|                     | Compounding          |
|                     | Extrusion            |
|                     | Injection Molding    |

| Hardness                     | Nominal Value |                 | Test Method |
|------------------------------|---------------|-----------------|-------------|
| Durometer Hardness (Shore A) | 80            |                 | ASTM D2240  |
| Mechanical                   | Nominal Value | Unit            | Test Method |
| Abrasion                     | 60            | mm <sup>3</sup> | DIN 53516   |
| Elastomers                   | Nominal Value | Unit            | Test Method |
| Tensile Stress (100% Strain) | 6.30          | MPa             | ASTM D412   |
| Tensile Strength             | 25.0          | MPa             | ASTM D412   |
| Tensile Elongation (Break)   | 550           | %               | ASTM D412   |
| Tear Strength                | 80.0          | kN/m            | ASTM D624   |

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