

FLEXCHEM™ 5053

Flexible Polyvinyl Chloride

Colorite Polymers

Message:

FLEXCHEM™ 5053 is a Flexible Polyvinyl Chloride product. It can be processed by extrusion or injection molding and is available in Asia Pacific, Europe, or North America. Typical application: Medical/Healthcare.

Characteristics include:

Plasticized

Sterilizable

Good Flexibility

Good Mold Release

Wear Resistant

| General Information | |
|---------------------|-----------------------------|
| Additive | Plasticizer |
| Features | Durable |
| | Ethylene Oxide Sterilizable |
| | Good Flexibility |
| | Good Mold Release |
| | Non-Phthalate Plasticizer |
| | Radiation Sterilizable |
| | |
| Agency Ratings | USP Class VI |
| Processing Method | Extrusion |
| | Injection Molding |

| Physical | Nominal Value | Unit | Test Method |
|-------------------------------|---------------|-------------------|-------------|
| Specific Gravity | 1.19 | g/cm ³ | ASTM D792 |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness (Shore A) | 50 | | ASTM D2240 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Modulus - 100% Secant | 2.90 | MPa | ASTM D638 |
| Tensile Strength | 12.1 | MPa | ASTM D638 |
| Tensile Elongation (Break) | 470 | % | ASTM D638 |

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