

## REQUEST FOR QUOTATION

### CONTACT INFORMATION

Company \_\_\_\_\_

Contact First name \_\_\_\_\_ Last Name \_\_\_\_\_

Address \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_ Country \_\_\_\_\_

Telephone \_\_\_\_\_ Fax \_\_\_\_\_ E-Mail \_\_\_\_\_

Job Function  Engineer  Executive  Manufacturing  Purchasing  Quality  Other \_\_\_\_\_

Do not include my address in your mailing list

### TUBING SPECIFICATIONS

#### Materials:

- Polyurethane
- HDPE
- LDPE
- Silicone: restricted
- Silicone: unrestricted
- Polypropylene
- Nylon
- Hytrel®
- Pebax®
- Other \_\_\_\_\_

#### Material Manufacturer:

\_\_\_\_\_

#### Material Grade/Durometer:

- Vesta recommended silicone durometer

#### Fillers:

- Barium Sulfate \_\_\_\_\_ %
- Bismuth Subcarbonate \_\_\_\_\_ %
- Bismuth Trioxide \_\_\_\_\_ %
- Carbon Black \_\_\_\_\_ %
- Titanium Dioxide \_\_\_\_\_ %
- Tungsten \_\_\_\_\_ %
- Color: Pantone# \_\_\_\_\_ %
- Other \_\_\_\_\_

#### Tubing Design:

- Single Lumen
- Multi-Lumen  
(# of lumen \_\_\_\_\_)
- Bump/Taper
- Striping
- Multi-Layer
- Balloon Tubing
- Wire Coating/Overjacketing
- Heat Shrink Tubing

#### Tubing Dimensions (in/mm):

ID: \_\_\_\_\_ ± \_\_\_\_\_

OD: \_\_\_\_\_ ± \_\_\_\_\_

Wall: \_\_\_\_\_ ± \_\_\_\_\_

Length: \_\_\_\_\_ ± \_\_\_\_\_

#### Heat Shrink Tubing

##### Dimensions (in/mm):

Minimum Expanded ID: \_\_\_\_\_

Maximum Recovered ID: \_\_\_\_\_

Recovered WT: \_\_\_\_\_ ± \_\_\_\_\_

Length: \_\_\_\_\_ ± \_\_\_\_\_

***For multi-lumen or bump please submit a drawing or sketch.***

### CROSS-SECTIONAL SKETCH

### COMMERCIAL

Quantity \_\_\_\_\_ Date Required \_\_\_\_\_

Target Price \_\_\_\_\_

Production  Quick Turn  R&D

Special Requirements \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

### SILICONE SECONDARY OPERATIONS

Silk Screening, Slitting, Punching, Beveling, Bundling, Functional testing and more.

Call (414)423-0550 or visit us at [www.vestainc.com](http://www.vestainc.com) for more information.

#### FAX OR E-MAIL COMPLETED RFQ TO:

E-mail: [sales@extrumed.com](mailto:sales@extrumed.com)

Fax: 714.993.4141

Tel: 714.993.4100

## ENGINEERING REFERENCE

Comparison scales are approximate and serve only as a guide

### MATERIALS

- ▶ Silicone
- ▶ Polyamide (Nylons 6, 6/6, 11, 12)
- ▶ ABS
- ▶ Polyvinyl Chlorides (PVC)
- ▶ Polycarbonates
- ▶ Polyvinylidene Fluorides (PVDF)
- ▶ Polystyrenes
- ▶ Polyurethanes
- ▶ Polyesters (PET, PBT)
- ▶ Polyurethane Copolymers
- ▶ Polyether Block Amides (Pebax®)
- ▶ Radiopaque Compounds
- ▶ Polyetheretherketone (PEEK™)
- ▶ Customer's proprietary compounds
- ▶ Polyethylene (HDPE, LDPE, LLDPE)
- ▶ Thermoplastic Polyester Elastomer (Hytrel®)
- ▶ Polypropylene

### DUROMETER RANGE

Material	Durometer Range
Pebax®	25D – 72D
Silicone	10A – 80A
PVC	20A – 74D
Polyurethane	70A – 75D
EVA	96A – 10D
Nylon 11	78D – 108R
Nylon 12	40D – 106R
Polyethylene	97A – 44D
PEEK™	126R
TPE	30A – 82D

### COMMON CONVERSIONS

French Scale	Inches	Millimeters
3	0.039	1
4	0.053	1.35
5	0.066	1.67
6	0.079	2
7	0.092	2.3
8	0.105	2.7
9	0.118	3
10	0.131	3.3
11	0.144	3.7
12	0.158	4
13	0.170	4.3
14	0.184	4.7
15	0.197	5
16	0.210	5.3
17	0.223	5.7
18	0.236	6
19	0.249	6.3
20	0.263	6.7
22	0.288	7.3
24	0.315	8
26	0.341	8.7
28	0.367	9.3
30	0.393	10.0
32	0.419	10.7
34	0.445	11.3

### DUROMETER SCALE

