



# FLEXALLOY® 35033RV-45NT1 CBL B8 NP

Teknor Apex Company - Flexible Polyvinyl Chloride

## General Information

### General

|                   |                                                                      |                                                                                      |                                                                                          |
|-------------------|----------------------------------------------------------------------|--------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| Material Status   | • Commercial: Active                                                 |                                                                                      |                                                                                          |
| Availability      | • Africa & Middle East<br>• Asia Pacific                             | • Europe<br>• Latin America                                                          | • North America                                                                          |
| Features          | • BPA Free<br>• E-beam Sterilizable<br>• Ethylene Oxide Sterilizable | • Latex Free<br>• No Animal Derived Components<br>• Non-Phthalate - TOTM Plasticizer | • Non-Phthalate Plasticizer<br>• Radiation (Gamma) Resistant<br>• Radiation Sterilizable |
| Agency Ratings    | • EC 1907/2006 (REACH)                                               | • OEHHA (California) Proposition 65                                                  |                                                                                          |
| RoHS Compliance   | • RoHS Compliant                                                     |                                                                                      |                                                                                          |
| Forms             | • Pellets                                                            |                                                                                      |                                                                                          |
| Processing Method | • Extrusion                                                          | • Injection Molding                                                                  |                                                                                          |

## ASTM & ISO Properties <sup>1</sup>

| Physical                         | Nominal Value | Unit | Test Method |
|----------------------------------|---------------|------|-------------|
| Density / Specific Gravity       | 1.12          |      | ASTM D792   |
| Mechanical                       | Nominal Value | Unit | Test Method |
| Tensile Strength                 |               |      | ASTM D638   |
| 50% Strain                       | 190           | psi  |             |
| 100% Strain                      | 360           | psi  |             |
| 300% Strain                      | 890           | psi  |             |
| Tensile Strength (Break)         | 1300          | psi  | ASTM D638   |
| Tensile Elongation (Break)       | 430           | %    | ASTM D638   |
| Hardness                         | Nominal Value | Unit | Test Method |
| Durometer Hardness               |               |      | ASTM D2240  |
| Shore A, 15 sec, Operating Stand | 40            |      |             |
| Shore A, 15 sec, Hand Held       | 45            |      |             |

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### Additional Information

#### EXAMPLE EXTRUSION APPLICATIONS

Blood Pressure Tubing  
Blood Transport & Delivery  
Bubble Tubing  
Cable Jacketing  
Catheters  
Dialysis Tubing  
Drainage Tubing  
Endotracheal Airway Tubing  
Enteral Feeding Systems  
Infusion Tubing  
Oxygen Tubing  
Peristaltic Pump Tubing  
Suction Tubing

#### EXAMPLE INJECTION MOLDING APPLICATIONS

Adaptors  
Blood Pressure Bulbs  
Canulae  
Caps  
Connectors  
Drip/Sight Chambers  
Ear Protection  
Endotracheal Airway Cuffs  
Luers  
Mouthpieces  
Oxygen Masks  
Personal Safety Goggles  
Resuscitation Bags  
Suction Bulbs  
Syringe Bulbs  
Valves

Data Sheet Applies to Color(s) Listed Below:  
Clear Blue B8 NP (1136627)

### Processing Information

| Extrusion        | Nominal Value | Unit |
|------------------|---------------|------|
| Melt Temperature | 335 to 350    | °F   |

### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.