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# FIRE RETARDANTS

## AKROCHLOR™ CP CHLORINATED PARAFFINS

### APPLICATION/DESCRIPTION:

Akrochlor CP chlorinated paraffins are a low cost source of halogen for flame retardant purposes (usually in concert with Sb<sub>2</sub>O<sub>3</sub>) and are compatible with most polymers (use resin product in EPDM for maximum compatibility). Grade selection is usually based on the best combination of chlorine content, viscosity, and cost for the end-use product. Akrochlor chlorinated paraffins are available in liquid (CP-40) and resin (CP-70) form. Akrochlor resin grades offer the highest chlorine content, but liquids are often used for the combination effect of plasticizer and flame retardant.

### TYPICAL PROPERTIES - LIQUID GRADE CP-40:

|                              |               |
|------------------------------|---------------|
| Appearance .....             | yellow liquid |
| Chlorine, % .....            | 40            |
| Specific Gravity, g/cc ..... | 1.16          |
| Viscosity, SUS 210°F .....   | 160           |
| Viscosity, SUS 100°F .....   | 3300          |

### TYPICAL PROPERTIES - RESIN GRADE CP-70:

|                                     |                  |
|-------------------------------------|------------------|
| Appearance .....                    | off-white powder |
| Chlorine, % .....                   | 70               |
| Specific Gravity, g/cc .....        | 1.63             |
| Softening Point, °C .....           | 95 - 120         |
| Particle Size Thru 40 mesh, % ..... | 95               |

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t-akrochlor CP

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