

Struktol CARSTAB® DLTDP Thioester Antioxidant

Category : Other Engineering Material , Additive/Filler for Polymer , Polymer

Material Notes:

Thioester synergist that is particularly effective as a long term heat aging stabilizer when used in conjunction with primary antioxidants. CARSTAB DLTDP is especially recommended to protect high density polyethylene and ABS from oxidation in high temperature applications. CARSTAB DLTDP is also very effective in polypropylene and other polymers. For applications requiring superior heat stability, a combination of a hindered phenolic antioxidant and CARSTAB DLTDP should be used. It has been found that a combination of three parts of CARSTAB DLTDP is one part of hindered phenolic antioxidant often provides optimum performance. Typical use levels are 0.15% of CARSTAB DLTDP and 0.05% of phenolic antioxidant. It is recommended that specific end use formulations be optimized with regard to thioester synergist ratio and use level. FDA Status: 175.3

Order this product through the following link:

http://www.lookpolymers.com/polymer_Struktol-CARSTAB-DLTDP-Thioester-Antioxidant.php

| Physical Properties | Metric | English | Comments |
|---------------------|------------|------------|----------|
| Specific Gravity | 0.896 g/cc | 0.896 g/cc | at 80°C |
| Additive Loading | >= 0.15 % | >= 0.15 % | Typical |
| Molecular Weight | 514 g/mol | 514 g/mol | |

| Thermal Properties | Metric | English | Comments |
|--------------------|---------|---------|----------|
| Melting Point | 40.0 °C | 104 °F | |

| Optical Properties | Metric | English | Comments |
|-----------------------|--------|---------|----------|
| Transmission, Visible | 95 % | 95 % | 440 mu |

| Chemical Properties | Metric | English | Comments |
|---------------------|--------|---------|----------|
| Acid Value | 0.50 | 0.50 | |

| Descriptive Properties | Value | Comments |
|------------------------|--------------------------|----------|
| Appearance | White Crystalline Flakes | |

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