

LG Chemical SEETEC BC500 LDPE

Category : Polymer , Thermoplastic , Polyethylene (PE) , LDPE , Low Density Polyethylene (LDPE), Wire/Cable Grade

Material Notes:

Good Processability and Good electrical properties. Main Application: Cable insulation CAS No. 9002-88-4 Information provided by LG Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_LG-Chemical-SEETEC-BC500-LDPE.php

| Physical Properties | Metric | English | Comments |
|---------------------|--|--|------------|
| Specific Gravity | 0.918 - 0.922 g/cc | 0.918 - 0.922 g/cc | ASTM D1505 |
| Melt Flow | 2.7 - 3.3 g/10 min @Load 2.61 kg, Temperature 190 °C | 2.7 - 3.3 g/10 min @Load 5.75 lb, Temperature 374 °F | ASTM D1238 |

| Mechanical Properties | Metric | English | Comments |
|----------------------------|----------|----------|-----------------------|
| Tensile Strength, Ultimate | 12.3 MPa | 1780 psi | 500mm/min; ASTM D638 |
| Elongation at Break | 600 % | 600 % | 500 mm/min; ASTM D638 |
| 2% Secant Modulus | 1.20 GPa | 174 ksi | 500mm/min; ASTM D638 |

| Thermal Properties | Metric | English | Comments |
|-----------------------|--------------|--------------|----------------------|
| Melting Point | 105 °C | 221 °F | 10°C/min; ASTM D3418 |
| Vicat Softening Point | 150 - 200 °C | 302 - 392 °F | 90.0 °C |
| | 90.0 °C | 194 °F | ASTM D1525 |

| Electrical Properties | Metric | English | Comments |
|-----------------------|--------|---------|------------|
| Dielectric Constant | 2.28 | 2.28 | ASTM D1531 |

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