



**TER Plastics**  
POLYMER GROUP



| K-Resin® KR05                       |         |                                  |               |
|-------------------------------------|---------|----------------------------------|---------------|
| SB                                  |         | Chevron Phillips Chemical Co. LP |               |
| Processing/Physical Characteristics | Value   | Unit                             | Test Standard |
| <b>ASTM Data</b>                    |         |                                  |               |
| Melt Flow Index                     | 7.5     | g/10min                          | ASTM D 1238   |
| Temperature                         | 200     | °C                               | -             |
| Load                                | 5       | kg                               | -             |
| Density, 73°F                       | 1010    | kg/m³                            | ASTM D 792    |
| Water Absorption, 24hr              | 0.09    | %                                | ASTM D 570    |
| Mechanical properties               | Value   | Unit                             | Test Standard |
| <b>ASTM Data</b>                    |         |                                  |               |
| Tensile Strength at Yield           | 26.2    | MPa                              | ASTM D 638    |
| Elongation at Break                 | 230     | %                                | ASTM D 638    |
| Flexural Modulus                    | 1795.05 | MPa                              | ASTM D 790    |
| Shore D Hardness                    | 63      | -                                | ASTM D 2240   |
| Thermal properties                  | Value   | Unit                             | Test Standard |
| <b>ASTM Data</b>                    |         |                                  |               |
| DTUL @ 264 psi                      | 62.2    | °C                               | ASTM D 648    |
| Vicat Temperature                   | 85      | °C                               | ASTM D 1525   |
| Optical properties                  | Value   | Unit                             | Test Standard |
| <b>ASTM Data</b>                    |         |                                  |               |
| Gloss                               | 162     | -                                | ASTM D 2457   |
| Light Transmittance                 | 92      | %                                | ASTM D 1003   |
| <b>Characteristics</b>              |         |                                  |               |
| <b>Delivery form</b>                |         | <b>Ecological valuation</b>      |               |
| Pellets                             |         | Food approval FDA 21 CFR         |               |
| <b>Features</b>                     |         | <b>Applications</b>              |               |
| Copolymer                           |         | Medical, Packaging               |               |