

Typical Application

Food Packaging Films, Caps & Closures, Housewares, Toys, Containers, and Novelty Items.

Product Description

Ramolene LDCM 18700 is mainly used for both extrusion coating and injection molding applications: general-purpose flexible packaging and snack food packaging. It is a high speed, lightweight coating resin for use with paper, films and other base stocks. Ramolene LDCM 18700 yields excellent adhesion and heat sealing characteristics. When used in injection molding applications, it exhibits an excellent balance of toughness and softness, and excellent dimensional stability.

| Typical Properties | English Unit | SI Unit | ASTM |
|--|-------------------------|-------------------------|-----------------|
| Physical | | | |
| Melt Flow Rate (190 °C / 2.16 kg) | 7.00 g/10 min | 7.00 g/10 min | D1238 |
| Density (23 °C) | 0.918 g/cm ³ | 0.918 g/cm ³ | D1505 |
| Mechanical Stress & Impact | | | |
| Flexural Modulus 1% Secant | 31,900 psi | 220 MPa | D790 |
| Tensile Stress/Strength at Break (23 °C) | 1730 psi | 12 MPa | D638 |
| Tensile Stress/Strength at Yield (23 °C) | 1430 psi | 10 MPa | D638 |
| Tensile Elongation at Break (23 °C) | 550 % | 550 % | D638 |
| Tensile Elongation at Yield (23 °C) | 19 % | 19 % | D638 |
| Hardness | | | |
| Durometer Shore Hardness (Shore D) | 50 | 50 | D2240 |
| Thermal | | | |
| Vicat Softening Temperature | 186 °F | 85.6 °C | D1525 |
| Melting Temperature | 625 °F | 329.4 °C | D3418 |
| Additives | | | |
| Slip | 0 ppm | 0 ppm | Producer Method |
| AntiBlock | 0 ppm | 0 ppm | Producer Method |

All tests were run under laboratory conditions, ASTM (where applicable) testing procedures. The data are intended as a general guide only and do not necessarily represent results that may be obtained elsewhere. The use of Ramotech's products must be guided by the user's own methods for selection of proper formulation. RAMTECH OVERSEAS, INC. disclaims any responsibility for misuse or misapplication of its products. Ramotech makes no warranty of merchantability and there is no warranty that goods supplied shall be fit for any particular purpose.