

LyondellBasell Adsyll,ç 5C37F Thermoplastic Olefin Resin

Category : Polymer , Thermoplastic

Material Notes:

Primary Processing Method: Film extrusion
Key Features: thermoplastic olefin resins for film extrusion, good clarity and gloss, good moisture barrier properties, very low seal initiation temperature, FDA acceptable
Applications: food and non-food packaging, lamination films
Meets FDA requirements in 21 CFR 177.1520 for all food contact, excluding cooking applications.
Description: Adsyll 5C37F thermoplastic olefin resin are designed for film extrusion applications. It is formulated with slip and antilock. This resin is based on materials produced by Montell's proprietary Catalloy process. This resin meets FDA requirements in the Code of Federal Regulations in 21 CFR 177.1520 for resins in rubber articles for repeated use applications. All ingredients meet the chemical registration requirements of TSCA and DSL. Information provided by Montell Polyolefins. LyondellBasell is the successor company to Montell.

Order this product through the following link:

http://www.lookpolymers.com/polymer_LyondellBasell-Adsyll-5C37F-Thermoplastic-Olefin-Resin.php

| Physical Properties | Metric | English | Comments |
|---------------------|--|--|------------|
| Density | 0.900 g/cc | 0.0325 lb/in ³ | ASTM D792B |
| Melt Flow | 5.5 g/10 min @Load 2.16 kg, Temperature 230 °C | 5.5 g/10 min @Load 4.76 lb, Temperature 446 °F | ASTM D1238 |

| Mechanical Properties | Metric | English | Comments |
|-------------------------|------------|---------------|--------------------------------------|
| Tensile Strength, Yield | 22.0 MPa | 3190 psi | ASTM D638 |
| Elongation at Yield | 13 % | 13 % | ASTM D638 |
| Flexural Modulus | 0.650 GPa | 94.3 ksi | 1% secant at 0.05 in/min; ASTM D790A |
| Izod Impact, Notched | 0.870 J/cm | 1.63 ft-lb/in | ASTM D256A |

| Thermal Properties | Metric | English | Comments |
|---|---------|---------|-----------|
| Deflection Temperature at 0.46 MPa (66 psi) | 63.0 °C | 145 °F | ASTM D648 |

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