

Ineos ABS Lustran® 786 ABS, Extrusion Grade

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), Extruded

Material Notes:

Lustran® ABS 786 resin is a black, virgin extrusion grade of ABS (acrylonitrile butadiene styrene). It is designed for extruded drain, waste, and vent (DWV) pipe. Lustran® ABS 786 (901046 black) resin meets or exceeds ASTM D 3965 4-2-2-2 cell class requirements for ASTM F 628 and D 2661. It is also listed under NSF Standard 14.

Order this product through the following link:

http://www.lookpolymers.com/polymer_ineos-ABS-Lustran-786-ABS-Extrusion-Grade.php

| Physical Properties | Metric | English | Comments |
|---------------------|-----------|---------------------------|-----------|
| Density | 1.03 g/cc | 0.0372 lb/in ³ | ASTM-D792 |

| Mechanical Properties | Metric | English | Comments |
|-------------------------|--|---|-----------|
| Tensile Strength, Yield | 34.0 MPa | 4930 psi | ASTM-D638 |
| Tensile Modulus | 1.90 GPa | 276 ksi | ASTM-D638 |
| Izod Impact, Notched | 4.00 J/cm | 7.49 ft-lb/in | ASTM-D256 |
| | @Thickness 3.20 mm, Temperature -30.0 Å°C | @Thickness 0.126 in, Temperature -22.0 Å°F | |
| | 5.87 J/cm | 11.0 ft-lb/in | ASTM-D256 |
| | @Thickness 3.20 mm, Temperature 23.0 Å°C | @Thickness 0.126 in, Temperature 73.4 Å°F | |

| Thermal Properties | Metric | English | Comments |
|--|--------------------|---------------------|---------------------|
| Deflection Temperature at 1.8 MPa (264 psi) | 100 Å°C | 212 Å°F | Annealed; ASTM-D648 |
| | @Thickness 6.35 mm | @Thickness 0.250 in | |

| Processing Properties | Metric | English | Comments |
|-----------------------|-----------------|-----------------|-----------|
| Melt Temperature | 221 - 232 Å°C | 430 - 450 Å°F | Extrusion |
| Drying Temperature | 82.0 - 93.0 Å°C | 180 - 199 Å°F | |
| | @Time 7200 sec | @Time 2.00 hour | |
| Moisture Content | <= 0.050 % | <= 0.050 % | |
| Dew Point | <= -29.0 Å°C | <= -20.2 Å°F | inlet air |

| Descriptive Properties | Value | Comments |
|-------------------------|-----------|-----------|
| Screw Compression Ratio | 2.4-2.8:1 | Extrusion |

| Descriptive Properties | Value | Comments |
|------------------------|-------|----------|
|------------------------|-------|----------|

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