**Ex-02 ABS**

Low-gloss, medium-impact extrusion grade of ABS

**Typical Material Properties**

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| General |  |  |
| Material Status | Commercial: Active |  |
| Availability | North America |  |
| Features | Good Colorability | Medium Impact Resistance |
|  | Low Gloss | Medium Rigidity |
| Appearance | Natural Color | White |
| Forms | Pellets |  |
| Processing Method | Coextrusion | Profile Extrusion |
|  | Thermoforming |  |

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| Physical Properties | Nominal Values | Test Method |
| Specific Gravity | 1.04 | ASTM D792 |
| Melt Mass-Flow Rate (MFR) (230°C/3.8 kg) | 2.6 g/10 min |  |
| Molding Shrinkage - Flow | 5.5E-3 in/in | ASTM D955 |

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| Mechanical Properties |  |  |
| Tensile Modulus | 265000 psi | ASTM D638 |
| Tensile Strength |  | ASTM D638 |
| Yield | 5400 psi | ISO 527-2 |
| Break | 5000 psi | ASTM D638 |
| Tensile Strain |  |  |
| Yield | 2.6 % | ISO 527-2 |
| Break | 100 % | ASTM D638 |

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| Films |  |  |
| Instrumented Dart Impact (73°F) | 33.9 ft·lb |  |

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| Impact |  |  |
| Charpy Notched Impact Strength) |  | ISO 179 |
| -- | 10 ft·lb/in² |  |
| -- 2 | 4.3 ft·lb/in² |  |
| Charpy Unnotched Impact Strength | No Break | ISO 179 |
| Notched Izod Impact | 5.0 ft·lb/in | ASTM D256 |

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| Thermal |  |  |
| Deflection Temperature Under Load |  | ASTM D648 |
| 66 psi, Unannealed | 199 °F |  |
| 264 psi, Unannealed | 174 °F |  |
| 264 psi, Annealed | 216 °F |  |
| Vicat Softening Temperature | 225 °F |  |
| CLTE - Flow | 4.4E-5 in/in/°F | ISO 11359-2 |

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| Flammability |  |  |
| Flame Rating (0.0579 in) | HB | UL 94 |

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| Notes |
| 1These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier. |
| 2at Low Temperature |