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Product Data Sheet

Product SURSG201UG

Surlyn Reflections
 Series®

A patented alloy of DuPont™ Surlyn® resin and nylon 6 for applications that require a high gloss, molded in color surface finish directly from the mold.

| PHYSICAL | Test Method | Typical Values, Units | 10/26/2011 |
|---|--------------------|------------------------------|------------|
| Specific Gravity | ASTM D792 | 1.043 g/cm ³ | |
| Melt Flow Rate (240 C/2160 g) | ASTM D1238 | 4 g/10 min | |
| Mold Shrinkage Linear Flow (0.125) | ASTM D955 | .01 in/in | |
| Water Absorption @ 24 hrs | ASTM D570 | N/A % | |
| IMPACT | Test Method | Typical Values, Units | |
| Izod Impact Strength Notched (73 F) (-22 F) | ASTM D256 | 30 ft-lb/in 5 ft-lb/in | |
| MECHANICAL | Test Method | Typical Values, Units | |
| Tensile Strength @ Yield** | ASTM D638 | 5850 psi | |
| Tensile Strength @ Break** | ASTM D638 | 5710 psi | |
| Elongation @ Yield* | ASTM D638 | 11 % | |
| Elongation @ Break* | ASTM D638 | 220 % | |
| Flexural Strength*** | ASTM D790 | N/A psi | |
| Flexural Modulus*** | ASTM D790 | 165000 psi | |
| HARDNESS | Test Method | Typical Values, Units | |
| Hardness (M-scale) | ASTM D785 | N/A | |
| THERMAL | Test Method | Typical Values, Units | |
| DTUL @ 66 psi | ASTM D648 | 136 °F | |
| IGNITION CHARACTERISTICS | Test Method | Typical Values, Units | |
| UL File Number | | | |
| Flame Rating - UL (3.0 mm) | | N/A | |
| (1.5 mm) | | N/A | |

* % elongation values are calculated from the elongation of the entire bar at 2.0 in/min

** Tensile strength values are calculated at 2.0 in/min

*** Flexural data is calculated at 2.0 in/min

The values shown are typical values that have been obtained using test bars molded from laboratory samples and are not intended for specification purposes. These values are for natural colors only. Addition of pigments may alter some values. Inasmuch as LTL Color Compounders has no control over the use to which others may put the material, it does not guarantee that the same results as those described herein will be obtained. Each user of the material should make his own test to determine the material's suitability for his own particular use. Statements concerning possible or suggested uses of the materials described herein are not to be construed as constituting a license under any LTL Color Compounders patent covering such use or as recommendations for use of such materials in the infringement of any patent. These are developmental products with estimated physical property profiles. Actual values will need to be determined upon production of material.

