

Lucent Abs ABS-45T

Acrylonitrile Butadiene Styrene  
LyondellBasell Industries  
Engineering Plastics

Product Description

High Impact Acrylonitrile Butadiene Styrene

Add "R" for Added Release  
Add "U" for UV Stabilizer

General

Features • High Impact Resistance

| Physical                          | Nominal Value (English) | Nominal Value (SI) | Test Method |
|-----------------------------------|-------------------------|--------------------|-------------|
| Density / Specific Gravity        | 1.04                    | 1.04 g/cm³         | ASTM D792   |
| Melt Mass-Flow Rate (MFR)         | 5.0 g/10 min            | 5.0 g/10 min       | ASTM D1238  |
| Mechanical                        | Nominal Value (English) | Nominal Value (SI) | Test Method |
| Tensile Strength (Yield)          | 5500 psi                | 37.9 MPa           | ASTM D638   |
| Tensile Elongation (Break)        | > 10 %                  | > 10 %             | ASTM D638   |
| Flexural Modulus                  | 320000 psi              | 2210 MPa           | ASTM D790   |
| Flexural Strength                 | 10800 psi               | 74.5 MPa           | ASTM D790   |
| Impact                            | Nominal Value (English) | Nominal Value (SI) | Test Method |
| Notched Izod Impact               |                         |                    | ASTM D256   |
| 73°F (23°C), 0.125 In (3.18 Mm)   | 6.0 ft·lb/in            | 320 J/m            |             |
| Thermal                           | Nominal Value (English) | Nominal Value (SI) | Test Method |
| Deflection Temperature Under Load |                         |                    | ASTM D648   |
| 264 Psi (1.8 Mpa), Unannealed     | 180 °F                  | 82.2 °C            |             |

Notes

These are typical property values not to be construed as specification limits.

