

Technical Data Sheet

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/cm ³	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.