

INEOS Novodur[®] 450

Categories: Polymer; Thermoplastic; ABS Polymer; Acrylonitrile Butadiene Styrene (ABS), Molded
 Material Notes: Novodur 450 is an injection molding grade of ABS with medium impact and high gloss.
 Information provided by Styrolution

Physical Properties	Metric	English	Comments
Melt Flow	27 g/10 min @Load 10.0 kg, Temperature 220 °C	27 g/10 min @Load 22.0 lb, Temperature 428 °F	ISO 1133
Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	48.0 MPa	6960 psi	ISO 527
Thermal Properties	Metric	English	Comments
Vicat Softening Point	99.0 °C @Load 5.10 kg	210 °F @Load 11.2 lb	120°C/h; ASTM D 1525
Optical Properties	Metric	English	Comments
Gloss	90 %	90 %	Specular Gloss, 60°; ASTM D 523