

PLASTRON™ PA6-GF40-01

Polyamide 6
Daicel Polymer Ltd.

Technical Data

General		
Material Status	• Commercial: Active	
Search for UL Yellow Card	• Daicel Polymer Ltd. • PLASTRON™	
Availability	• Asia Pacific	
Filler / Reinforcement	• Long Glass Fiber, 40% Filler by Weight	
Forms	• Pellets	
Physical	Nominal Value Unit	Test Method
Density	1.45 g/cm³	ISO 1183
Mechanical	Nominal Value Unit	Test Method
Tensile Modulus	13300 MPa	ISO 527-2
Tensile Stress (Yield)	230 MPa	ISO 527-2
Tensile Strain (Break)	2.3 %	ISO 527-2
Flexural Modulus	12000 MPa	ISO 178
Flexural Strength	350 MPa	ISO 178
Impact	Nominal Value Unit	Test Method
Charpy Notched Impact Strength	38 kJ/m²	ISO 179/1eA
Thermal	Nominal Value Unit	Test Method
Heat Deflection Temperature 1.8 MPa, Unannealed	219 °C	ISO 75-2/A

Notes

¹ Typical properties: these are not to be construed as specifications.