

Ultramid® B3E2G9
PA6-GF45

BASF

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	15000	MPa	ISO 527
Stress at Break	225	MPa	ISO 527
Strain at Break	3.6	%	ISO 527
Impact Strength (Charpy), +23°C	105	kJ/m²	ISO 179/1eU
Notched Impact Strength (Charpy), +23°C	18	kJ/m²	ISO 179/1eA
Notched Impact Strength (Charpy), -30°C	16	kJ/m²	ISO 179/1eA

Other Properties	Value	Unit	Test Standard
ISO Data			
Density	1500	kg/m³	ISO 1183
Bulk density	700	kg/m³	-

Material Specific Properties	Value	Unit	Test Standard
ISO Data			
Viscosity number	135	cm³/g	ISO 307, 1157, 1628

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Melt temperature	280 - 300	°C	-
Mold temperature	80 - 90	°C	-

Characteristics

Processing

Injection Molding

Features

Color Stability

Delivery form

Pellets