

Ultramid® B35W SW8215
PA6

BASF

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	2600	MPa	ISO 527
Yield stress	75	MPa	ISO 527
Yield strain	3	%	ISO 527
Nominal strain at break	30	%	ISO 527
Impact Strength (Charpy), +23°C	no break	kJ/m²	ISO 179/1eU
Notched Impact Strength (Charpy), +23°C	3	kJ/m²	ISO 179/1eA
Flexural Modulus (23°C)	2500	MPa	ISO 178

Thermal Properties	Value	Unit	Test Standard
ISO Data			
Melting Temperature (10°C/min)	220	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	50	°C	ISO 75-1/-2

Other Properties	Value	Unit	Test Standard
ISO Data			
Density	1130	kg/m³	ISO 1183
Bulk density	700	kg/m³	-

Material Specific Properties	Value	Unit	Test Standard
ISO Data			
Viscosity number	170	cm³/g	ISO 307, 1157, 1628

Characteristics

Processing

Other Extrusion, Pipe/Tube Extrusion, Wire/Cable Extrusion

Special Characteristics

Heat aging stabilized

Delivery form

Pellets, Black