

Ultramid® C3K6 SW811
(PA66+PA6)-GB30

BASF

Mechanical Properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	3700 / 1000	MPa	ISO 527
Stress at Break	70 / 40	MPa	ISO 527
Strain at Break	10 / 40	%	ISO 527
Impact Strength (Charpy), +23°C	40 / no break	kJ/m²	ISO 179/1eU
Impact Strength (Charpy), -30°C	30 / -	kJ/m²	ISO 179/1eU
Notched Impact Strength (Charpy), +23°C	3.5 / 10	kJ/m²	ISO 179/1eA
Notched Impact Strength (Charpy), -30°C	3 / -	kJ/m²	ISO 179/1eA
Flexural Modulus (23°C)	3000 / 900	MPa	ISO 178

Thermal Properties	dry / cond	Unit	Test Standard
ISO Data			
Melting Temperature (10°C/min)	260 / *	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	70 / *	°C	ISO 75-1/-2

Other Properties	dry / cond	Unit	Test Standard
ISO Data			
Water Absorption	7.5 / *	%	Sim. to ISO 62
Humidity absorption	2.1 / *	%	Sim. to ISO 62
Density	1350 / -	kg/m³	ISO 1183
Bulk density	700	kg/m³	-

Material Specific Properties	dry / cond	Unit	Test Standard
ISO Data			
Viscosity number	145 / *	cm³/g	ISO 307, 1157, 1628

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Melt temperature	280 - 300	°C	-
Mold temperature	80 - 100	°C	-

Characteristics

Processing

Injection Molding

Features

Low Warpage

Delivery form

Pellets, Black

Applications

Automotive

Disclaimer

Liability Exclusion

These guide values are measured and provided by the product manufacturer and have been determined on standardised test specimens and can be affected by pigmentation, mould design and processing conditions. M-Base has taken the guide values from the producer's original Technical Data Sheet. **ALBIS AND M-BASE ARE THEREFORE NOT RESPONSIBLE FOR THE ACCURACY OF THE GUIDE VALUES AND CANNOT GIVE ANY WARRANTY WITH REGARD TO THEIR CORRECTNESS.**

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