BASF
We create chemistry

ALBIS

Ultramid® Vision B3K DLT

PA6 BASF

Rheological properties	dry / cond	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	150 / *	cm³/10min	ISO 1133
Temperature	275 / *	°C	-
Load	5 / *	kg	-
Molding shrinkage, parallel	0.6 / *	%	ISO 294-4, 2577
Molding shrinkage, normal	0.8 / *	%	ISO 294-4, 2577

Mechanical Properties	dry / cond	Unit	Test Standard
ISO Data			
Tensile Modulus	2900 / 850	MPa	ISO 527
Yield stress	70 / 40	MPa	ISO 527
Yield strain	3 / 23	%	ISO 527
Nominal strain at break	3 / >50	%	ISO 527
Impact Strength (Charpy), +23°C	50 / no break	kJ/m²	ISO 179/1eU
Impact Strength (Charpy), -30°C	40 / -	kJ/m²	ISO 179/1eU
Notched Impact Strength (Charpy), +23°C	5 / 35	kJ/m²	ISO 179/1eA
Notched Impact Strength (Charpy), -30°C	4 / -	kJ/m²	ISO 179/1eA

Thermal Properties	dry / cond	Unit	Test Standard
ISO Data			
Melting Temperature (10°C/min)	220 / *	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	60 / *	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	170 / *	°C	ISO 75-1/-2

Other Properties	dry / cond	Unit	Test Standard
ISO Data			
Water Absorption	10 / *	%	Sim. to ISO 62
Humidity absorption	3.4 / *	%	Sim. to ISO 62
Density	1130 / -	kg/m³	ISO 1183

Material Specific Properties	dry / cond	Unit	Test Standard
ISO Data			
Viscosity number	150 / *	cm³/g	ISO 307, 1157, 1628

Optical Properties	Value	Unit	Test Standard
ASTM Data			
Haze	100	%	ASTM D 1003
Light Transmittance	80	%	ASTM D 1003

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Melt temperature	250 - 270	°C	-
Mold temperature	40 - 60	°C	-

Characteristics

Processing
Injection Molding

Features
Light Diffusing

Delivery form
Pellets

Chemical Resistance
Environmental Stress Crack Resistance