

Durethan® AKV30H2.0 DUS202

PA66—GF30

30% Glass Reinforced, Injection Molding, Heat Stabilized

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
RHEOLOGICAL PROPERTIES			
	DRY / COND		
Molding shrinkage (parallel)	0.5 / *	%	ISO 294-4
Molding shrinkage (normal)	1.1 / *	%	ISO 294-4
MECHANICAL PROPERTIES			
	DRY / COND		
Tensile modulus	9500 / 5700	MPa	ISO 527-1/-2
Flexural modulus	9200 / 5700	MPa	ISO 178
Flexural strength	230 / 150	MPa	ISO 178
Charpy impact strength (+23°C)	45 / 70	kJ/m²	ISO 179/1eU
Charpy impact strength (-30°C)	40 / 40	kJ/m²	ISO 179/1eU
Charpy notched impact strength (+23°C)	<10 / <10	kJ/m²	ISO 179/1eA
Charpy notched impact strength (-30°C)	<10 / <10	kJ/m²	ISO 179/1eA
Izod notched impact strength (+23°C)	<10 / 10	kJ/m²	ISO 180/1A
THERMAL PROPERTIES			
	DRY / COND		
Melting temperature (10°C/min)	256 / *	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	228 / *	°C	ISO 75-1/-2
OTHER PROPERTIES			
	DRY / COND		
Density	1370 / -	kg/m³	ISO 1183
PROCESSING RECOMMENDATIONS			
	VALUE		
Drying temperature dry air dryer	80	°C	
Drying time dry air dryer	2-6	h	



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Residual moisture content	0.03–0.12	%	acc. to Karl Fischer
Melt temperature (Tmin – Tmax)	280–300	°C	
Mold temperature	80–120	°C	

