

Durethan® AKV30H2.0 DUS202

PA66–GF30

30% Glass Reinforced, Injection Molding, Heat Stabilized

<i>PROPERTIES</i>	<i>TYPICAL DATA</i>	<i>UNIT</i>	<i>TEST METHOD</i>
<i>RHEOLOGICAL PROPERTIES</i>			
	<i>DRY / COND</i>		
Molding shrinkage (parallel)	0.5 / *	%	ISO 294–4
Molding shrinkage (normal)	1.1 / *	%	ISO 294–4
<i>MECHANICAL PROPERTIES</i>			
	<i>DRY / COND</i>		
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/m ²	ISO 179/1eU
Charpy impact strength (–30°C)	40 / 40	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	<10 / <10	kJ/m ²	ISO 179/1eA
Charpy notched impact strength (–30°C)	<10 / <10	kJ/m ²	ISO 179/1eA
Izod notched impact strength (+23°C)	<10 / 10	kJ/m ²	ISO 180/1A
<i>THERMAL PROPERTIES</i>			
	<i>DRY / COND</i>		
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
<i>OTHER PROPERTIES</i>			
	<i>DRY / COND</i>		
Density	1370 / –	kg/m ³	ISO 1183
<i>PROCESSING RECOMMENDATIONS</i>			
	<i>VALUE</i>		
Drying temperature dry air dryer	80	°C	
Drying time dry air dryer	2–6	h	

Property Data

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<i>PROPERTIES</i>	<i>TYPICAL DATA</i>	<i>UNIT</i>	<i>TEST METHOD</i>
Residual moisture content	0.03–0.12	%	acc. to Karl Fischer
Melt temperature (Tmin – Tmax)	280–300	°C	
Mold temperature	80–120	°C	