

Durethan[®] AM230ZH3.0

PA66–I–MX30

30% Mineral Reinforced, Injection Molding, Heat Stabilized, Improved Impact, Low Warp

<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)	1.7 / *	%	ISO 294-4
Molding shrinkage (normal)	1.6 / *	%	ISO 294-4
<i>MECHANICAL PROPERTIES</i>			
	<i>DRY / COND</i>		
Tensile modulus	3700 / –	MPa	ISO 527-1/-2
Stress at break	60 / –	MPa	ISO 527-1/-2
Strain at break	15 / –	%	ISO 527-1/-2
Flexural modulus	3600 / –	MPa	ISO 178
Flexural strength	105 / –	MPa	ISO 178
Charpy impact strength (+23°C)	250 / –	kJ/m ²	ISO 179/1eU
Charpy impact strength (-30°C)	200 / –	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	10 / –	kJ/m ²	ISO 179/1eA
Charpy notched impact strength (-30°C)	<10 / –	kJ/m ²	ISO 179/1eA
Izod notched impact strength (+23°C)	10 / –	kJ/m ²	ISO 180/1A
<i>THERMAL PROPERTIES</i>			
	<i>DRY / COND</i>		
Temp. of deflection under load (1.80 MPa)	75 / *	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	190 / *	°C	ISO 75-1/-2
<i>OTHER PROPERTIES</i>			
	<i>DRY / COND</i>		
Density	1330 / –	kg/m ³	ISO 1183
<i>PROCESSING RECOMMENDATIONS</i>	<i>VALUE</i>		

Property Data

Durethan[®] AM230ZH3.0

<i>PROPERTIES</i>	<i>TYPICAL DATA</i>	<i>UNIT</i>	<i>TEST METHOD</i>
Drying temperature dry air dryer	80	°C	
Drying time dry air dryer	4	h	
Residual moisture content	0.03–0.12	%	acc. to Karl Fischer
Melt temperature (Tmin – Tmax)	280–300	°C	
Mold temperature	80–100	°C	