

# Durethan<sup>®</sup> AM230ZH3.0

## PA66-I-MX30

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

Print Date: 2024-08-24

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
<b>RHEOLOGICAL PROPERTIES</b>			
	<b>DRY / COND</b>		
Molding shrinkage (parallel)	1.7 / *	%	ISO 294-4
Molding shrinkage (normal)	1.6 / *	%	ISO 294-4
<b>MECHANICAL PROPERTIES</b>			
	<b>DRY / COND</b>		
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 <sup>2</sup>	ISO 179/1eU
Charpy impact strength (-30°C)	200 / -	kJ/m <sup>2</sup>	ISO 179/1eU
Charpy notched impact strength (+23°C)	10 / -	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength (-30°C)	<10 / -	kJ/m <sup>2</sup>	ISO 179/1eA
Izod notched impact strength (+23°C)	10 / -	kJ/m <sup>2</sup>	ISO 180/1A
<b>THERMAL PROPERTIES</b>			
	<b>DRY / COND</b>		
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
<b>OTHER PROPERTIES</b>			
	<b>DRY / COND</b>		
Density	1330 / -	kg/m <sup>3</sup>	ISO 1183
<b>PROCESSING RECOMMENDATIONS</b>		<b>VALUE</b>	

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## Property Data

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<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	

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