

Akulon® N24-HM6

PA6-MD30

30% Mineral Reinforced, Heat Stabilized

Print Date: 2019-10-01

Properties	Typical Data	Unit	Test Method
Rheological properties	dry / cond		
Molding shrinkage (parallel)	1.01 / *	%	ISO 294-4
Molding shrinkage (normal)	1.2 / *	%	ISO 294-4
Mechanical properties	dry / cond		
Tensile modulus	5300 / -	MPa	ISO 527-1/-2
Stress at break	65 / -	MPa	ISO 527-1/-2
Strain at break	10 / -	%	ISO 527-1/-2
Flexural modulus	4600 / -	MPa	ISO 178
Flexural strength	115 / -	MPa	ISO 178
Charpy impact strength (+23°C)	80 / -	kJ/m ²	ISO 179/1eU
Charpy impact strength (-30°C)	70 / -	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	6 / -	kJ/m ²	ISO 179/1eA
Charpy notched impact strength (-30°C)	4 / -	kJ/m ²	ISO 179/1eA
Izod notched impact strength (+23°C)	6 / -	kJ/m ²	ISO 180/1A
Izod notched impact strength (-40°C)	5 / -	kJ/m ²	ISO 180/1A
Thermal properties	dry / cond		
Melting temperature (10°C/min)	220 / *	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	80 / *	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	180 / *	°C	ISO 75-1/-2
Other properties	dry / cond		
Water absorption	6.6 / *	%	Sim. to ISO 62

Property Data (Provisional)

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Properties	Typical Data	Unit	Test Method
Humidity absorption	1.9 / *	%	Sim. to ISO 62
Density	1350 / -	kg/m ³	ISO 1183