

DSM Engineering Plastics - Property Data

Akulon® F249-HG4

PA6-GF20

20% Glass Reinforced, Heat Stabilized, Extrusion Blow Moulding

Properties	Typical Data	Unit	Test Method
MECHANICAL PROPERTIES		dry / cond	
Tensile modulus	7500 / -	MPa	ISO 527-1/-2
Stress at break	140 / -	MPa	ISO 527-1/-2
Strain at break	4.5 / -	%	ISO 527-1/-2
Charpy impact strength (+23°C)	N / -	kJ/m²	ISO 179/1eU
Charpy impact strength (-30°C)	70 / -	kJ/m²	ISO 179/1eU
Charpy notched impact strength (+23°C)	15 / -	kJ/m²	ISO 179/1eA
Charpy notched impact strength (-30°C)	8 / -	kJ/m²	ISO 179/1eA
THERMAL PROPERTIES		dry / cond	
Melting temperature (10°C/min)	220 / *	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	195 / *	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	215 / *	°C	ISO 75-1/-2
OTHER PROPERTIES		dry / cond	
Water absorption	8 / *	%	Sim. to ISO 62
Humidity absorption	2.4 / *	%	Sim. to ISO 62
Density	1270 / -	kg/m³	ISO 1183

DSM Product

Unlimited. **DSM**

