

DSM Engineering Plastics - Property Data

Akulon® K240-HP

(PA6+Imod)-unfilled

Heat Stabilized, Impact Modified, Extrusion Blow Moulding

Properties	Typical Data	Unit	Test Method
MECHANICAL PROPERTIES		dry / cond	
Tensile modulus	2700 / -	MPa	ISO 527-1/-2
Yield stress	60 / -	MPa	ISO 527-1/-2
Yield strain	4 / -	%	ISO 527-1/-2
Nominal strain at break	>50 / -	%	ISO 527-1/-2
Charpy impact strength (+23°C)	N / N	kJ/m²	ISO 179/1eU
Charpy impact strength (-30°C)	N / N	kJ/m²	ISO 179/1eU
Charpy notched impact strength (+23°C)	50 / -	kJ/m²	ISO 179/1eA
Charpy notched impact strength (-30°C)	20 / -	kJ/m²	ISO 179/1eA
THERMAL PROPERTIES		dry / cond	
Temp. of deflection under load (1.80 MPa)	60 / *	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	170 / *	°C	ISO 75-1/-2
Coeff. of linear therm. expansion (parallel)	1 / *	E-4/°C	ISO 11359-1/-2
Coeff. of linear therm. expansion (normal)	1.4 / *	E-4/°C	ISO 11359-1/-2
Burning Behav. at 1.6 mm nom. thickn.	HB / *	class	IEC 60695-11-10
Thickness tested	1.6 / *	mm	IEC 60695-11-10
OTHER PROPERTIES		dry / cond	
Water absorption	9 / *	%	Sim. to ISO 62
Humidity absorption	3 / *	%	Sim. to ISO 62
Density	1100 / -	kg/m³	ISO 1183

DSM Product

Unlimited. **DSM**

