

DSM Engineering Plastics - Property Data

Akulon® F136-E

PA6-unfilled

High Viscosity, Nucleated, Film Extrusion

Properties	Typical Data	Unit	Test Method
THERMAL PROPERTIES		dry / cond	
Melting temperature (10°C/min)	220 / *	°C	ISO 11357-1/-3
OTHER PROPERTIES		dry / cond	
Water absorption	9.5 / *	%	Sim. to ISO 62
Humidity absorption	2.5 / *	%	Sim. to ISO 62
Density	1130 / -	kg/m ³	ISO 1183
MATERIAL SPECIFIC PROPERTIES		dry / cond	
Viscosity number	245 / *	cm ³ /g	ISO 307, 1157, 1628
RSV formic acid, 1g/100ml	3.6	-	ISO 307
RHEOLOGICAL CALCULATION PROPERTIES		dry / cond	
Thermal conductivity of melt	0.135	W/(m K)	-
Spec. heat capacity melt	1550	J/(kg K)	-
OTHER PROPERTIES (FILM)		dry / cond	
Transparency/Clarity	86	%	DSM method

DSM Product

Unlimited. **DSM**



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VISCOSITY-SHEAR RATE

