

Product Texts

ReDefyne IAG25 BK0806 is a (PA66 PA6) 25% glass fiber filled black pre-consumer recycled grade with added impact for flexibility and strength.

Processing/Physical Characteristics	dry / cond	Unit	Test Standard
ISO Data			
^[C] Molding shrinkage, parallel	0.9 / *	%	ISO 294-4, 2577
^[C] Molding shrinkage, normal	1.2 / *	%	ISO 294-4, 2577

[C]: CAMPUS

Mechanical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Tensile Modulus	8000 / 5500	MPa	ISO 527
^[C] Stress at break	135 / 89	MPa	ISO 527
^[C] Strain at break	3.1 / 6.9	%	ISO 527
^[C] Charpy impact strength, +23°C	78 / 85	kJ/m ²	ISO 179/1eU
^[C] Charpy impact strength, -30°C	61 / 63	kJ/m ²	ISO 179/1eU
^[C] Charpy notched impact strength, +23°C	13 / 17	kJ/m ²	ISO 179/1eA
^[C] Charpy notched impact strength, -30°C	6.8 / 8.5	kJ/m ²	ISO 179/1eA

[C]: CAMPUS

Thermal properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Melting temperature, 10°C/min	262 / *	°C	ISO 11357-1/-3
^[C] Temp. of deflection under load, 1.80 MPa	238 / *	°C	ISO 75-1/-2
^[C] Temp. of deflection under load, 0.45 MPa	254 / *	°C	ISO 75-1/-2

[C]: CAMPUS

Electrical properties	dry / cond	Unit	Test Standard
ISO Data			
^[C] Electric strength	38 / 21	kV/mm	IEC 60243-1

[C]: CAMPUS

Other properties	dry / cond	Unit	Test Standard
^[C] Water absorption	1.2 / *	%	Sim. to ISO 62
^[C] Humidity absorption	1.7 / *	%	Sim. to ISO 62
^[C] Density	1310 / -	kg/m ³	ISO 1183

[C]: CAMPUS

Characteristics

Processing

Injection Molding, Profile Extrusion

Delivery form

Pellets, Black

Additives

Lubricants

Special Characteristics

High impact or impact modified

Certifications

Recycled Resin Content

Regional Availability

North America, Europe, Asia Pacific