

Polyamide 6 J2500Z Technical Data Sheet

Specification:			
Test Items	Test Standard	Test Requirement	Test Results
Relative Viscosity (RV)	ISO 307	2.54±0.05	2.51
Viscosity Number (VN)	ISO 307		131.40
Hot-water Extractable Content (%)	ISO 6427		0.78
Moisture Content (%)	ISO 15512	≤0.06	0.06
Melting point °C	ISO 11357		221.16
Mechanical property:			
Test Items	Test Standard		Test Results
Tensile strength (Mpa)	ISO 527	20mm/min	74.0
Tensile elongation at break (%)			36.4
Bending strength (Mpa)	ISO 178	5mm/min	98.30
Bending modulus (Mpa)			2237.00
Cantilever beam notch impact strength (KJ/m2)	ISO 180	2.75J	7.09
Impact strength of simply supported beam gap (KJ/m2)	ISO 179	4J	7.37
Impact strength of simply supported beam without notch (KJ/m2)			Not broken
Hot deformation temperature (°C)	ISO 75-2	1.82 MPa	67.90
Melt index (g/10min)	ISO 1133	230°C 2160g	33.12
Shore hardness (HD)	ISO 868		78.50

Application: It can be used to modify the matrix of materials, and the modified products can be used for injection moulding parts of automobile, electric tools, electronics and electrical appliances, machinery, furniture and toys industries after adding flame retardants, toughening agents and other additives.



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