

UNITIKA Nylon 6 RUN35-C25

Polyamide 6
UNITIKA Plastics Division

Message:
High Modulus

General Information				
Features		Low Warpage		
Uses		Automotive Applications		
		Automotive Electronics		
		Automotive Under the Hood		
		Construction Applications		
		Electrical Housing		
Forms		Pellets		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.66	1.66	g/cm ³	ISO 1183
Molding Shrinkage				ISO 294-4
Across Flow : 3.20 mm	0.50	0.50	%	
Flow : 3.20 mm	0.10	0.10	%	
Water Absorption (Equilibrium, 23°C, 50% RH)	1.0	1.0	%	ISO 62
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	17500	13000	MPa	ISO 527-2
Tensile Stress (Break)	164	129	MPa	ISO 527-2
Tensile Strain (Break)	1.3	1.7	%	ISO 527-2
Flexural Modulus	15000	12000	MPa	ISO 178
Flexural Stress	240	200	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength	5.0	6.0	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength	35	40	kJ/m ²	ISO 179
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, Unannealed	194	--	°C	ISO 75-2/B
1.8 MPa, Unannealed	191	--	°C	ISO 75-2/A
CLTE - Flow	1.5E-5	1.5E-5	cm/cm/°C	ISO 11359-2

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