

UNITIKA Nylon 6 RUN35-TA

Polyamide 6

UNITIKA Plastics Division

Message:

Light resistant and internal

General Information				
Forms		Particle		
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.75	1.75	g/cm ³	ASTM D792
Molding Shrinkage				ASTM D955
Flow	0.10	0.10	%	ASTM D955
Transverse flow	0.40	0.40	%	ASTM D955
Water Absorption (Equilibrium, 23°C, 50%RH)	0.93	0.93	%	
Hardness	Dry	Conditioned	Unit	Test Method
Rockwell Hardness (M-Scale)	88	--		ASTM D785
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	19400	--	MPa	ASTM D638
Tensile Strength	141	120	MPa	ASTM D638
Tensile Elongation (Break)	2.9	3.3	%	ASTM D638
Flexural Modulus	17800	12500	MPa	ASTM D790
Flexural Strength	215	170	MPa	ASTM D790
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact	50	60	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load				ASTM D648
0.45 MPa, not annealed	205	--	°C	ASTM D648
1.8 MPa, not annealed	183	--	°C	ASTM D648
CLTE - Flow	1.4E-5	--	cm/cm/°C	ASTM D696

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