

REVOLVE® Rilsan Roto 11

Polyamide 11

Matrix Polymers

Message:

Revolve Rilsan PA11 is a rotational moulding polyamide 11 (Nylon) designed to meet demanding requirements such as chemical resistance and low permeation to hydrocarbons (e.g. petrol). The grade exhibits high stiffness, good impact strength, low moisture absorption high temperature resistance and good mouldability.

General Information			
Features	Good Chemical Resistance		
	Good Impact Resistance		
	Good Moldability		
	High Hardness		
	High Heat Resistance		
	High Stiffness		
	Low Moisture Absorption		
Appearance	Black		
	Natural Color		
Forms	Powder		
Processing Method	Rotational Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.05	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	48.0	MPa	ISO 527-2/50
Flexural Modulus ¹	1300	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
ARM Impact (23°C, 3.00 mm)	65.0	J	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	80.0	°C	ISO 75-2/B
NOTE			
1.	1.3 mm/min		

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