

Rilsan® Clear G 120 Rnew

Polyamide

Arkema

Message:

Rilsan® Clear G 120 Rnew is a high performance transparent polyamide with outstanding chemical resistance and stress cracking resistance. This grade has been designed for injection molding applications.

MAIN APPLICATIONS

- Fuel filter container.
- Instrument cover for gas station.

General Information			
Features	Good Chemical Resistance		
	High ESCR (Stress Crack Resist.)		
	Renewable Resource Content		
Uses	Filters		
	Protective Coverings		
Appearance	Clear/Transparent		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.03	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (275°C/2.16 kg)	9.00	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1860	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Yield	68.0	MPa	
Break	52.0	MPa	
Tensile Strain			ISO 527-2
Yield	6.0	%	
Break	> 100	%	
Flexural Modulus	1740	MPa	ISO 178
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	126	°C	ISO 11357-2
Optical	Nominal Value	Unit	Test Method
Transmittance (2000 µm, 560 nm)	91.7	%	ASTM D1003
Additional Information	Nominal Value	Unit	Test Method
Renewable Carbon Conent	29 to 31	%	ASTM D6866
Injection	Nominal Value	Unit	
Drying Temperature	80.0 to 90.0	°C	

Drying Time	4.0 to 6.0	hr
Processing (Melt) Temp	240 to 290	°C
Mold Temperature	40.0 to 80.0	°C

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Recommended distributors for this material

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