Rilsan® KNO

Polyamide 11

Arkema

Message:

Rilsan ® KNO is a polyamide 11 produced from a renewable source. This natural grade is specially designed for injection molding.
MAIN APPLICATIONS
Injected parts.

General Information			
Features	Renewable Resource Content		
Appearance	Natural Color		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.03	g/cm³	ISO 1183
Molding Shrinkage			Internal Method
Across Flow : 30°C, 24 hr, 2.00 mm	0.70	%	
Flow : 30°C, 24 hr, 2.00 mm	0.70	%	
Hardness	**Nominal Value**	**Unit**	**Test Method**
Shore Hardness			ISO 868
Shore D	77		
Shore D, 15 sec	73		
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	1250	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Yield	37.0	MPa	
Break	63.0	MPa	
Tensile Strain			ISO 527-2
Yield	4.0	%	
Break	> 200	%	
Flexural Modulus	1110	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179
-30°C	13	kJ/m²	
23°C	11	kJ/m²	
Charpy Unnotched Impact Strength			ISO 179
-30°C	No Break		
23°C	No Break		
Thermal	**Nominal Value**	**Unit**	**Test Method**
Melting Temperature	189	°C	ISO 11357-3
Additional Information	**Nominal Value**	**Unit**	**Test Method**
ISO Shortname	PA11, M, 18-010		ISO 1874

Renewable Carbon Conent	100	%	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	230 to 270	°C
Mold Temperature	20.0 to 60.0	°C

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China