

Rilsan® BESNO 23 TL4 CC

Polyamide 11

Arkema

Message:

Rilsan ® BESNO 23 TL4 CC is a polyamide 11 produced from a renewable source. This grade with good translucence properties is designed for extrusion.
MAIN APPLICATIONS
Ski top layer.

General Information			
Features	Renewable Resource Content		
Appearance	Translucent		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	1.02	g/cm ³	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Shore Hardness			ISO 868
Shore D	80		
Shore D, 15 sec	76		
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1390	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Yield	44.0	MPa	
Break	58.0	MPa	
Tensile Strain			ISO 527-2
Yield	5.0	%	
Break	> 200	%	
Flexural Modulus	1250	MPa	ISO 178
Taber Abrasion Resistance (1000 Cycles, 1000 g, CS-17 Wheel)	< 1.00	mg	ISO 9352
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	10	kJ/m ²	
23°C	8.0	kJ/m ²	
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, EHLN, 22-010		ISO 1874
Renewable Carbon Conent	> 90	%	ASTM D6866

Extrusion	Nominal Value	Unit
Drying Temperature	80.0 to 90.0	°C
Drying Time	4.0 to 8.0	hr
Melt Temperature	230 to 280	°C

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Recommended distributors for this material

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