

Rilsan® BESN Noir P210 TL

Polyamide 11

Arkema

Message:

Rilsan ® BESN Noir P210 TL is a polyamide 11 produced from a renewable source. This black grade is plasticized and designed for extrusion. BESN Noir P210 TL falls into the PA11-PHLY category according to DIN 73378 and fulfils all specifications according to DIN 74324, ISO 7628, NFR 12632, and SAEJ844.

MAIN APPLICATIONS

- Fluid transportation.
- Tubing for use in motor vehicle.

General Information			
Additive	Plasticizer		
Features	Renewable Resource Content		
Agency Ratings	DIN 73378		
	DIN 74324		
	ISO 7628		
	NFR 12632		
	SAE J844		
Appearance	Black		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	1.03	g/cm³	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Shore Hardness			ISO 868
Shore D	76		
Shore D, 15 sec	67		
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	600	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Yield	32.0	MPa	
Break	54.0	MPa	
Tensile Strain			ISO 527-2
Yield	31	%	
Break	> 200	%	
Flexural Modulus	450 to 600	MPa	ISO 178
Taber Abrasion Resistance (1000 Cycles, 1000 g, CS-17 Wheel)	10.0	mg	ISO 9352
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	10	kJ/m²	

23°C	76	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	184	°C	ISO 11357-3
Additional Information	Nominal Value	Unit	Test Method
ISO Shortname	PA11-HIP, EHL, 22-007		ISO 1874
Renewable Carbon Content	> 88	%	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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