

کد مدرک : FO-28-03/01	Nia Shimi Manufacturing & Trading Co. Corrosion Protection of water, Oil & Gas Pipelines Data Sheet	شرکت تولیدی و بازرگانی نیاشیمی (سهامی خاص)	
سند مرجع : PR-28			
صفحه :			

Product Name: Heat Shrinkable sleeve Epoxyless

Trade Name: NST- HSS65 (54130)

Random samples have been taken from above batch. Test results are as following:

Sleeve Operation Characteristics

Maximum Operation Temperature 65°C

Maximum Installation Temperature 75°C

Mainline Coating Compatibility Bitumen/PE/
Metal

Test Item	Unit	Specification Test Method	
Backing thickness (as supplied) , min	mm	1	ASTM D 1000
Adhesive thickness (as supplied), min	mm	1.5	ASTM D 1000
Total thickness (as installed) average	mm	2.7	ASTM D 1000
Holiday detection at 5 kV/mm + 5 kV(see Note 3)	—	No holiday	ISO21809-3
Impact resistance (holiday detection at 5 kV/mm + 5 kV) (23 °C)	J/mm	≥5	ISO21809-3
Indentation resistance at Pressure 10,0 N/mm2:	mm	≥0.6	ISO21809-3
Residual thickness (T max),min			
Cathodic disbondment, max	23 °C at 28 days	mm	≤10
	T max limited to		ISO21809-3
	65 °C at 28 days	mm	≤20
Peel strength at 10 mm/min to pipe surface and to plant applied coating	23 °C	N/mm	≥1,0
	T max (65°C)	N/mm	≥0,10
Peel strength at 10 mm/min to pipe surface plant coating after 100 day hot-water immersion test at T max limited as per Annex I (23 °C)		P100/P0	≥0,75
Lap shear strength at 10 mm/min	23 °C	N/mm2	≥0.1
	T max (65°C)	N/mm2	≥0,01
Thermal ageing resistance (aged at T _{max} + 20 °C)			≥0.75
Elongation at break E100/E0)			≥0.8
(E100/E70)	23 °C	-	ISO21809-3
Peel strength to pipe surface			
(P100/P0)			≥0.75
(P100/P70)			≥0.8

Conclusion: The above-mentioned product conforms to the ISO 21809-3:2016 standard.

