



TECHNICAL DATA SHEET

V-THENE 80A TR U2101

Technical Data Sheet status: Provisional

Description: Polyester-based TPU for Extrusion, injection molding and calendaring.

Applications: Cable sheathing, reinforced hoses, films & sheets, compounds, shoes, engineering components, etc.

Features: Excellent mechanical properties, high abrasion resistance, low compression set, good low-temperature flexibility

Typical Properties	Test Method	Units	Values
Hardness	ASTM D 2240	Shore A	80
Specific Gravity	ASTM D 792	g/cm ³	1.18
Tensile Strength at 100% Elongation	ASTM D 412	MPa	5
Tensile Strength at 300% Elongation	ASTM D 412	MPa	9
Tensile strength	ASTM D 412	MPa	32
Ultimate elongation	ASTM D 412	%	610
Tear strength	ASTM D 624	N/mm	90
Tg by DSC	ASTM D 3418	°C	-45

NOTE:

For optimum results, it is recommended to dry the material at 90-100 °C for 2-3 hours in a circulating air or dehumidified air dryer. The moisture content must be lower than 0.03% before and during processing.



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