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Product Data Sheet & General Processing Conditions

Nylabond® 7091 131-90B Black Thermoplastic Vulcanizate (TPV)

Shore A (15s) = 94A

PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

PERMANENCE	English	SI Metric	ASTM TEST
Specific Gravity	1.11	1.11	D 792
Melt Flow Rate @ 230 °C, / 21.6 kg	2.00 - 8.00 g/10 min	2.00 - 8.00 g/10 min	D 1238
MECHANICAL			
Tensile Strength 20 in/min (500 mm/min)	2000 psi	14 MPa	D 412
Tensile Elongation Break, 20 in/min (500 mm/min)	200.0 %	200.0 %	D 412
Tensile Stress 20 in/min (500 mm/min) @ 100 %	1600.0 psi	11.0 MPa	D 412
Tear Strength, Die C	310.0 pli	54.3 N/mm	D 624
Hardness			
Shore A, 10 s delay	96	96	D 2240
Shore D, instantaneous	50	50	D 2240

PROPERTY NOTES

Data herein is typical and not to be construed as specifications.

Unless otherwise specified, all data listed is for natural or black colored materials. Pigments can affect properties.

GENERAL PROCESSING FOR INJECTION MOLDING

	English	SI Metric
Melt Temperature	540 - 570 °F	282 - 299 °C
Mold Temperature	180 - 200 °F	82 - 93 °C
Drying	4 - 6 hrs @ 200 - 220 °F	4 - 6 hrs @ 93 - 104 °C
Moisture Content	< 0.07 %	< 0.07 %
Dew Point	-40 °F	-40 °C

PROCESSING NOTES

Desiccant Type Dryer Required.