



**Product Data Sheet &  
General Processing Conditions**

**Nylabond® 7091 110-70B Black  
Thermoplastic Vulcanizate (TPV)**

Shore A (15s) = 74A

**PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS**

<b>PERMANENCE</b>	<b>English</b>	<b>SI Metric</b>	<b>ASTM TEST</b>
Specific Gravity	1.10	1.10	D 792
Melt Flow Rate @ 230 °C, / 21.6 kg	0.20 - 3.00 g/10 min	0.20 - 3.00 g/10 min	D 1238

**MECHANICAL**

Tensile Strength 20 in/min (500 mm/min)	1000 psi	7 MPa	D 412
Tensile Elongation Break, 20 in/min (500 mm/min)	165.0 %	165.0 %	D 412
Tensile Stress 20 in/min (500 mm/min) @ 100 %	800.0 psi	5.5 MPa	D 412
Tear Strength, Die C	90.0 pli	15.8 N/mm	D 624
Hardness Shore A, 10 s delay	78	78	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**

	<b>English</b>	<b>SI Metric</b>
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.