

Nylabond® 6091-70A black

TPE

RTP Company

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Modulus at 100% Elongation	2.8	MPa	ASTM D 412
Shore A Hardness	71	-	ASTM D 2240
Tear Strength	19.3	kN/m	ASTM D 624
Compression Set , 22 hr @ 158 °F	44	%	ASTM D 395
Tensile Strength	5	MPa	ASTM D 412
Elongation at Break	340	%	ASTM D 412

Thermal properties	Value	Unit	Test Standard
ISO Data			
Glow Wire Flammability Index (GWFI)	700	°C	IEC 60695-2-12
GWFI - thickness tested (1)	1.5	mm	-
Glow Wire Ignition Temperature (GWIT)	725	°C	IEC 60695-2-13
GWIT - thickness tested (1)	1.5	mm	-
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	1.1	mm	-

Other properties	Value	Unit	Test Standard
Density	940	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	82	°C	-
Pre-drying - Time	4	h	-
Processing humidity	≤0.08	%	-
Melt temperature	263 - 282	°C	-
Mold temperature	32 - 71	°C	-

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific

Delivery form

Black