



NYLABOND™

Performance TPE for Nylon Overmolding



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Nylabond™ 6091

TPV based Nylabond™ 6091 series materials set the standard for performance in nylon overmolding applications. Available in hardnesses ranging from 55A to 85A, they are commonly used in automotive, transportation, and demanding industrial applications. These materials not only provide strong adhesion to nylon substrates, but also exhibit excellent chemical and oil resistance, weatherability, and high and low temperature performance. Nylabond™ 6091 materials carry a wide range of global automotive approvals, demonstrating their long-term performance capability and also simplifying PPAP submissions. Nylabond™ 6091 materials are stocked for immediate availability in both natural and black.

Automotive Approvals

- GMW 15817 Type 1
- GMW 15817 Type 2
- MSAR* 100 AAN
- MSAR* 100 BAN
- MSAR* 100 CAN
- VW 50123 Conformance
- Daimler DBL562.30 Conformance
- SAE J2000 callouts
- ASTM D4000 callouts

** The MSAR specifications are Fiat-Chrysler*

For more information:

www.rtpcompany.com/nylabond

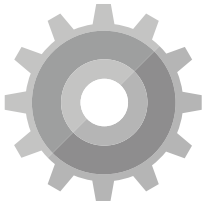
Nylabond™ TPE Compounds

Nylabond™ TPE compounds were designed for far more than just bonding to nylon substrates; they were engineered with specific performance requirements in mind. More importantly, they reflect our commitment to drive TPE technology in support of our core commitments to our valued customers:



SOLUTIONS in-stock for you

Nylabond™ 6091 materials are suitable for applications requiring strong overmold adhesion to nylon substrates, and have been purposely designed to meet the specific performance requirements of the automotive market. A table of common physical properties is provided below. Additional data regarding in-use capability and/or existing approvals is available on request.



CUSTOMIZATION for collaborative innovation

Does your project require something outside of the norm? Our history and expertise gives us some of the strongest custom compounding capability in the industry. Collaboration and communication are the cornerstones of successful development, and we make the process easy by combining local support with a centralized technical and commercial support staff that is dedicated to TPEs.



SERVICE that brings it all together

Customers like you are what drive our business. We pride ourselves on being big enough to compete with anyone, anywhere, without sacrificing the individual attention that is critical to launching successful programs. We strive to meet our commitments, and to provide straightforward advice and recommendations – even if they don't fit into our product line.

Product	Color	Durometer		Sp. Gravity	Tensile strength (Mpa)	Tensile Elongation (%)	Tear Strength (N/mm)	Comp. Set - 22h	
		ASTM D 2240	ASTM D 792					ASTM D 412	@ 70C (%)
			ASTM D 412	ASTM D 412	ASTM D 412	ASTM D 624	ASTM D 395, Method B, Type 2		
Nylabond™ 6091-55A	Black	57A	0.94	3.0	300%	13.3	35	56	
Nylabond™ 6091-70A	Black	71A	0.94	4.7	340%	19.3	44	63	
Nylabond™ 6091-85A	Black	85A	0.94	7.3	400%	28.7	50	69	
Nylabond™ 6091-55A	Natural	55A	0.93	2.9	310%	11.7	37	56	
Nylabond™ 6091-70A	Natural	70A	0.93	4.5	370%	18.0	47	66	
Nylabond™ 6091-85A	Natural	83A	0.93	6.9	420%	28.2	57	77	
Nylabond™ 6091-85A PA 12	Black	86A	0.97	8.0	380%	29.1	37	58	
Nylabond™ 6091 B-60A	Black	65A	0.94	3.3	230%	13.7	38	57	
Nylabond™ 6091 B-60A	Natural	67A	0.93	3.9	300%	15.4	41	59	

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TPE

Product Portfolio



RTP Company compounds innovative solutions by utilizing the widest array of base Thermoplastic Elastomer (TPE) technologies in the industry. Each product line reflects our commitment to drive TPE technology in support of our core commitments to our valued customers: Solutions, Customization, and Service.

RTP 2700 SERIES

SEBS and SBC based compounds offering a broad range of options for properties, surface feel, clarity, and processing

PERMAPRENE™

TPV compounds designed with your needs in mind: from conventional high-performance TPV to value-optimized alloys

NYLABOND™

Industry leading nylon-bonding TPE technology; automotive approved products; unique value in power tool grips

POLABOND™

Exceptional TPE overmold adhesion to a wide range of engineering thermoplastics, with performance to match

SPECIALTY

Color, Flame Retardant, Wear Resistant, Structural, Conductive... no one does specialty TPE better than RTP Company



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