

FLAME RETARDANT ABS COMPOUNDS

Superior UL Recognized Thermoplastics From RTP Company



Quick Information

- ▶ Three RTP 600 Series ABS Compounds Now UL 94 V-0 at 1/16" (1.47 mm)
- ▶ Five-Day Lead Times for Color Match and Production
- ▶ Materials Independently Selected to Meet Performance Requirements
- ▶ Competitive Pricing with No Minimums

Imagine a family of ABS compounds that are ideal for flame-retardant applications and fully customizable for performance and color. Compounds that are competitively priced and shipped within five days. At RTP Company, we not only imagined it, we made it a reality.

ABS has long been a staple product in the plastics industry, bridging the gap between commodity resins such as polypropylene and polystyrene and the engineering resins of polycarbonate and nylon. RTP 600 Series Flame Retardant ABS compounds are formulated for your application using the most appropriate choices in resins and additives.

Choose from these formulations:

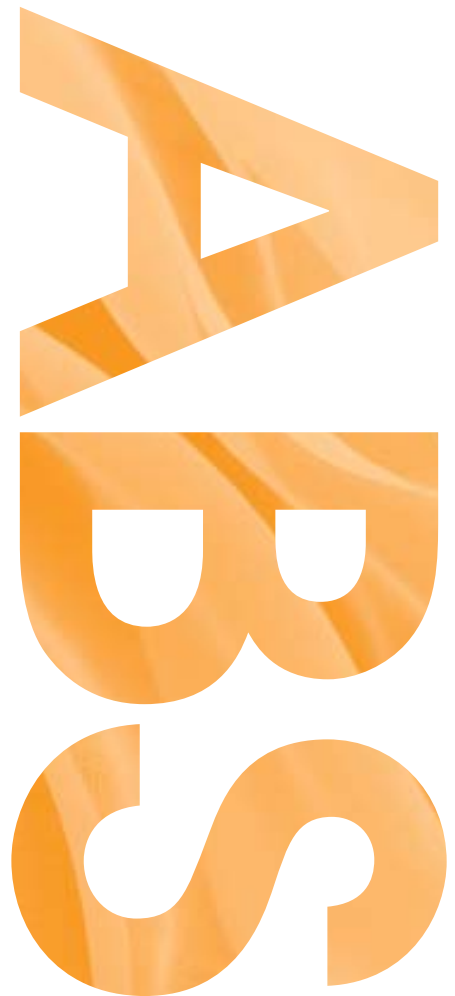
- RTP 600 FR AB
High melt flow, moderate UV resistance (better for indoor

applications), and moderate impact resistance.

- RTP 600 FR AU
Superior UV resistant formula for improved protection.
- RTP 600 FR AW
Formulated to offer better strength at a slight expense to UV stability.

In addition, RTP Company offers custom-formulated ABS compounds that are UL 94 Recognized in all colors at 1.47 mm. Our extensive library of more than 40,000 color formulations and state-of-the-art matching technology ensures your compound will meet OEM and manufacturer color specifications.

ABS Compounds from RTP Company....another innovation from the leader in specialty compounding.



World Headquarters:

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The Leader in Specialty Compounding

Manufacturing Facilities:



Winona, MN
South Boston, VA
Beaune, France
Fort Worth, TX
Indianapolis, IN
Singapore

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RTP 600 Series ABS Flame Retardant Compound Data

	AB		AU		AW	
	English	SI Metric	English	SI Metric	English	SI Metric
Permanence						
Specific Gravity	1.23	1.23	1.24	1.24	1.24	1.24
Molding Shrinkage, 1/8" (3.175mm)	.006 in/in	.6 %	.006 in/in	.6 %	.006 in/in	.6 %
Water Absorption, 24 hrs @ 23 °C	.30 %	.30 %	.30 %	.30 %	.30 %	.30 %
Mechanical						
Impact Strength, IZOD						
-notched, 1/8", ft lbs/in (3.175mm, J/m)	4.0	214	4.0	214	4.0	214
-unnotched, 1/8", ft lbs/in (3.175mm, J/m)	20.0	1068	20.0	1068	20.0	1068
Tensile Strength, psi (MPa)	5500	38	5500	38	6000	41
Tensile Elongation	10+ %	10+ %	10+ %	10+ %	10+ %	10+ %
Tensile Modulus, psi (MPa)	.32 x 10 ⁶	2205	.32 x 10 ⁶	2205	.32 x 10 ⁶	2205
Flexural Strength, psi (MPa)	9500	65	9500	65	10000	69
Flexural Modulus, psi (MPa)	.32 x 10 ⁶	2205	.32 x 10 ⁶	2205	.32 x 10 ⁶	2205
Electrical						
Volume Resistivity, ohm-cm	10 ¹⁴	10 ¹⁴	10 ¹⁴	10 ¹⁴	10 ¹⁴	10 ¹⁴
Thermal						
Deflection Temperature						
-@ 264 psi (1820 kPa)	190 °F	88 °C	190 °F	88 °C	190 °F	88 °C
Flammability* @ 1/16 in (1.5875 mm)	V-0	V-0	V-0	V-0	V-0	V-0
RTI		75 °C		75 °C		75 °C

Applications

- RTP 600 FR AB** The AB product is the standard product for most applications. It has high melt flow, moderate UV resistance (better for indoor applications), and moderate impact resistance.
- RTP 600 FR AU** The AU product has an additional UV stabilization at a modest increase in cost.
- RTP 600 FR AW** The AW product is formulated to offer better strength at a slight expense to UV stability.



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