



ABRASION RESISTANT COMPOUNDS

WEAR AND FRICTION RESISTANT PRODUCTS

FEATURES

- Can be injection molded or extruded
- Uniquely offered in a number of resin and additive combinations
- Suitable for both lower and higher volume applications

BENEFITS

- Ultimate durability in extreme conditions
- Can be injection molded, unlike other solutions that are limited to compression or ram extrusion
- Eliminates costly secondary processing, thereby reducing overall total cost
- Performance can be further enhanced by utilizing a wide range of resins and additives
- Global availability



Abrasion caused from contamination by unpredictable debris is typically catastrophic to operating systems.



Abrasion Resistant Compounds can be injection molded, offering design freedom and reduced costs for a variety of applications.

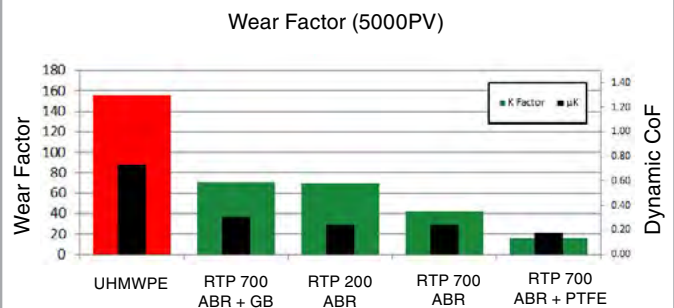
RTP Company formulates unique thermoplastic compounds that resist abrasion and are designed specifically for injection molding, offering a whole new way to solve abrasion issues!

Substances that cause abrasion are not easily predicted or managed; third party abraders can generate debris, resulting in system contamination and adverse effects on operations and quality. Typically, abrasion is catastrophic to a system, so minimizing the effects of abrasion is crucial.

Abrasion Resistant Compounds from RTP Company can reduce abrasion and provide additional properties to meet even the most challenging application requirements. They are available in multiple resin and additive combinations for extreme design flexibility. Additional functionality such as wear and friction resistance, flame retardancy, and conductivity can be included.

Data from multiple, industry-recognized test methods suggests that RTP Company's Abrasion Resistant Compounds demonstrate abrasion resistance comparable to UHMWPE (Ultra-High Molecular Weight Polyethylene). In addition, these compounds are superior to UHMWPE in wear and friction tests (see Figure 1).

FIGURE 1: ASTM D3702 WEAR AND FRICTION



With the added advantage of being injection moldable, our Abrasion Resistant Compounds are not limited to stock shapes that require costly secondary processing, making the design possibilities seemingly endless! Abrasion Resistant Compounds... available from RTP Company - your global compounder of custom engineered thermoplastics!



RTP Company Corporate Headquarters • 580 East Front Street • Winona, Minnesota 55987 USA website: www.rtpcompany.com • email: rtp@rtpcompany.com

TELEPHONE: U.S.A. +1 507-454-6900 SOUTH AMERICA +55 11 4193-8772 MEXICO +52 81 8134-0403 EUROPE +33 380-253-000 SINGAPORE +65 6863-6580 CHINA +86 512-6283-8383 WIMAN CORPORATION +1 320-259-2554 ESP™ +1 800-432-2386



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In both figures below, a lower value of mass loss indicates better abrasion resistance by the material.

FIGURE 2: RTP COMPANY ABRASION RESULTS: WET SAND

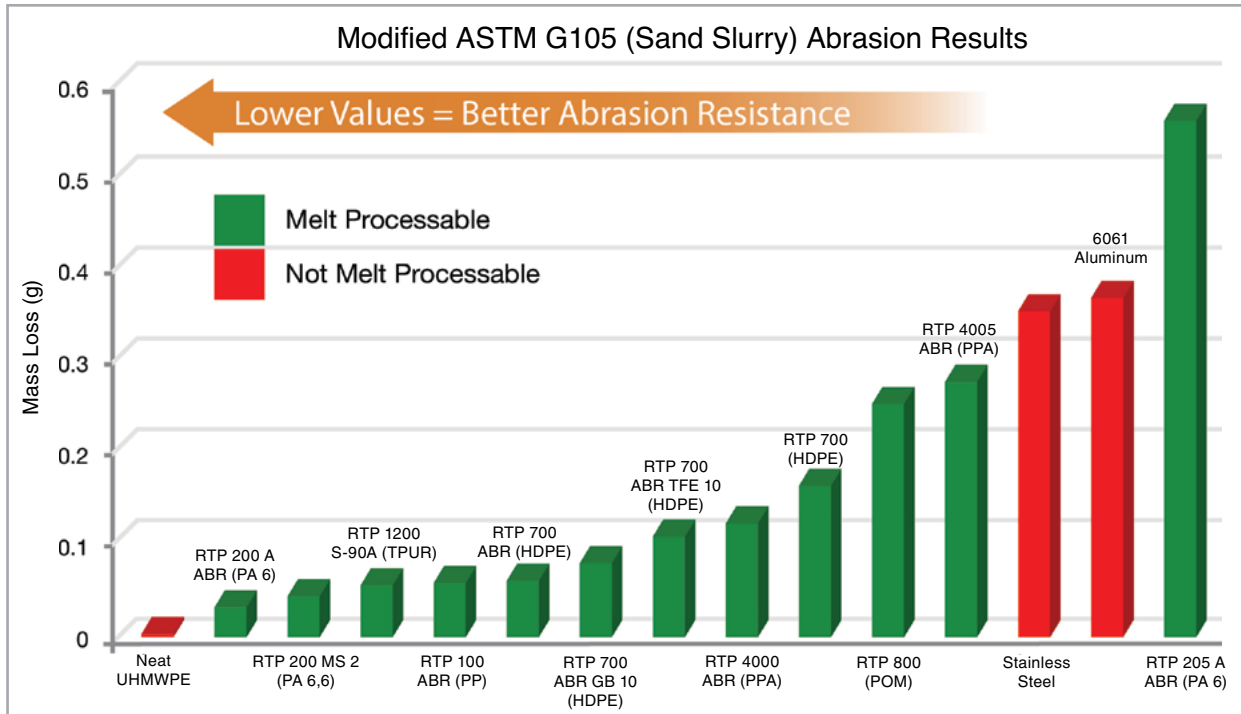
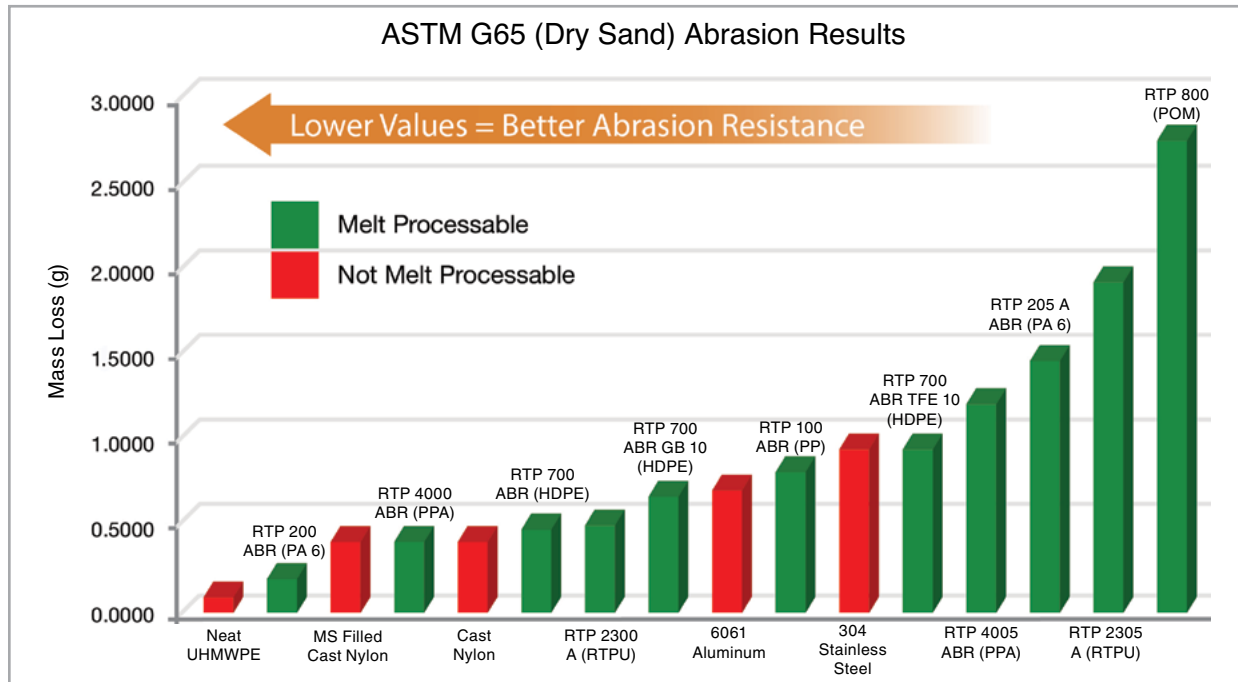


FIGURE 3: RTP COMPANY ABRASION RESULTS: DRY SAND



To learn more about Abrasion Resistant Compounds from RTP Company, please contact your local representative, or visit our website at www.rtpcompany.com.



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