



**STRUCTURAL • THERMOPLASTIC ELASTOMERS • WEAR
COLOR • CONDUCTIVE • FLAME RETARDANT • FILM/SHEET**

Your Global Compounder of Custom Engineered Thermoplastics

RTP Company Specialty Compounds

Specialty compounding is an exacting, yet creative, science. RTP Company enhances these and other resin systems with a wide range of additives and reinforcements. The result is a unique material that meets your design criteria for performance and appearance.

Performance Enhancements

| RTP SERIES | BASE POLYMER | ABBREVIATION | Performance Enhancements | | | | |
|------------|---|--------------|--------------------------|------------|-----------------|----------------|-------|
| | | | Structural | Conductive | Flame Retardant | Wear Resistant | Color |
| 100 | Polypropylene | PP | ● | ● | ● | ● | ● |
| 200 | Nylon 6/6 | PA 6/6 | ● | ● | ● | ● | ● |
| 200 A | Nylon 6 | PA 6 | ● | ● | ● | ● | ● |
| 200 B | Nylon 6/10 | PA 6/10 | ● | ● | ● | ● | ● |
| 200 C | Nylon 11 | PA 11 | ● | ● | ● | ● | ● |
| 200 D | Nylon 6/12 | PA 6/12 | ● | ● | ● | ● | ● |
| 200 E | Amorphous Nylon | PA | ● | ● | ● | ● | ● |
| 200 F | Nylon 12 | PA12 | ● | ● | ● | ● | ● |
| 200 H | Impact-Modified Nylon 6/6 | PA 6/6 | ● | ● | ● | ● | ● |
| 300 | Polycarbonate | PC | ● | ● | ● | ● | ● |
| 400 | Polystyrene | PS | ● | ● | ● | ● | ● |
| 500 | Styrene Acrylonitrile | SAN | ● | ● | ● | ● | ● |
| 600 | Acrylonitrile Butadiene Styrene | ABS | ● | ● | ● | ● | ● |
| 700 | High Density Polyethylene | HDPE | ● | ● | ● | ● | ● |
| 700 A | Low Density Polyethylene | LDPE | ● | ● | ● | ● | ● |
| 800 | Acetal | POM | ● | ● | | ● | ● |
| 900 | Polysulfone | PSU | ■ | ● | ● | ● | ● |
| 1000 | Polybutylene Terephthalate | PBT | ● | ● | ● | ● | ● |
| 1100 | Polyethylene Terephthalate | PET | ● | ● | ● | ● | ● |
| 1200 S | Ester-based Thermoplastic Elastomer | TPUR | ● | ● | ● | ● | ● |
| 1200 T | Ether-based Thermoplastic Elastomer | TPUR | ● | ● | ● | ● | ● |
| 1300 | Polyphenylene Sulfide | PPS | ■ | ● | ○ | ● | ● |
| 1400 | Polyethersulfone | PES | ■ | ● | ○ | ● | ● |
| 1500 | Polyether-Ester Block Copolymer (TPE) | TEEE | ● | ● | ● | ● | ● |
| 1700 | Modified Polyphenylene Oxide | PPO | ● | ● | ● | ● | ● |
| 1800 | Acrylic | PMMA | ● | ● | | ● | ● |
| 1800 A | Polycarbonate/Acrylic Alloy | PC/PMMA | ● | ● | ● | ● | ● |
| 2000 | Bioplastics Compounds and Custom Alloys | | ● | ● | ● | ● | ● |
| 2100 | Polyetherimide | PEI | ■ | ● | ○ | ● | ● |
| 2200 | Polyetheretherketone | PEEK | ■ | ● | ○ | ● | ● |
| 2200 A | Polyetherketone | PEK | ■ | ● | ○ | ● | ● |
| 2300 | Rigid Thermoplastic Polyurethane | RTPU | ● | ● | ● | ● | ● |
| 2500 | Polycarbonate/ABS Alloy | PC/ABS | ● | ● | ● | ● | ● |

■ = High Temperature Resins ○ = Inherently Flame Retardant

(Continued on back)



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| | | | Structural | Conductive | Flame Retardant | Wear Resistant | Color |
| 2600 | Thermoplastic Polyolefin Elastomer (TPE) | TEO | ● | ● | ● | ● | ● |
| 2700 | Styrenic Block Copolymer (TPE) | TES | ● | ● | ● | ● | ● |
| 2800 B | Thermoplastic Vulcanizate Elastomer | TPV | ● | ● | ● | ● | ● |
| 2900 | Polyether-Block-Amide (TPE) | PEBA | ● | ● | ● | ● | ● |
| 3000 | Polymethylpentene | PMP | ● | ● | ● | ● | ● |
| 3100 | Perfluoroalkoxy | PFA | ● | ● | ○ | ● | ● |
| 3200 | Ethylene Tetrafluoroethylene | EFTE | ● | ● | ○ | ● | ● |
| 3300 | Polyvinylidene Fluoride | PVDF | ● | ● | ○ | ● | ● |
| 3400 | Liquid Crystal Polymer | LCP | ■ | ● | ○ | ● | ● |
| 3500 | Fluorinated Ethylene Propylene | FEP | ● | ● | ○ | ● | ● |
| 3900 | Polyetherketoneetherketoneketone | PEKEKK | ■ | ● | ○ | ● | ● |
| 4000 | Polyphthalamide | PPA | ■ | ● | ● | ● | ● |
| 4000 A | Hot Water Moldable Polyphthalamide | PPA | ■ | ● | ● | ● | ● |
| 4100 | Polyetherketoneketone | PEKK | ■ | ● | ○ | ● | ● |
| 4200 | Thermoplastic Polyimide | TPI | ■ | ● | ○ | ● | ● |
| 4300 | Polysulfone/Polycarbonate Alloy | PSU/PC | ● | ● | ● | ● | ● |
| 4400 | High Temperature Nylon | HTN | ■ | ● | ● | ● | ● |
| 4500 | Polyketone | PK | ● | ● | ● | ● | ● |
| 4600 | Syndiotactic Polystyrene | SPS | ● | ● | ● | ● | ● |
| 4700 | Polytrimethylene Terephthalate | PTT | ● | ● | ● | ● | ● |
| 5000 | Polyamide-Imide | PAI | ■ | ● | ○ | ● | ● |
| 6000 | Specialty Thermoplastic Elastomer | TPE | *● | *● | *● | *● | ● |

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*Modified versions of this series currently available under alternate nomenclatures



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