



# ENGINEERED SHEET PRODUCTS

A DIVISION OF RTP COMPANY

## ESP Engineered Plastic Sheet

Our R&D Engineers offer unbiased, innovative thinking and attention to detail, providing you with the best specialty sheet solution for your application.

### Performance Enhancements

ESP Series	BASE POLYMER	ABBREVIATION	Structural	Conductive	Flame Retardant	Wear Resistant	Color
100	Polypropylene	PP	●	●	●	●	●
200 E	Amorphous Nylon	PA	●	●	●	●	●
300	Polycarbonate	PC	●	●	●	●	●
400	Polystyrene	PS	●	●	●	●	●
600	Acrylonitrile Butadiene Styrene	ABS	●	●	●	●	●
700	Polyethylene	PE	●	●	●	●	●
800	Acetal	POM	●	●		●	●
900	Polysulfone	PSU	■	●	●	●	●
1100	Polyethylene Terephthalate	PET	●	●	●	●	●
1100 A	Glycol Modified Polyethylene Terphthalate	PETG	●	●	●	●	●
1400	Polyethersulfone	PES	■	●	○	●	●
1800	Acrylic	PMMA	●	●		●	●
1800 A	Polycarbonate/Acrylic Alloy	PC/PMMA	●	●	●	●	●
2100	Polyetherimide	PEI	■	●	○	●	●
2200	Polyetheretherketone	PEEK	■	●	○	●	●
2500	Polycarbonate/ABS Alloy	PC/ABS	●	●	●	●	●
2800	Thermoplastic Polyolefin Elastomer (TPE)	TEO	●	●	●	●	●

■ = High Temperature Resins    ○ = Inherently Flame Retardant



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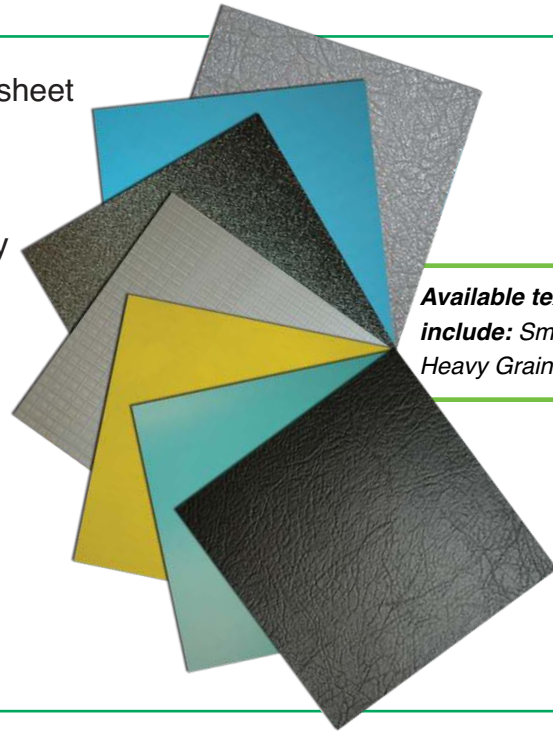
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## ESP Product Capabilities

ESP has a wide range of capabilities to manufacture sheet products for your application requirements.

Our compounding expertise and access to a diverse resin portfolio allows us to provide you with top quality thermoplastic sheet, including specialty sheet with enhanced properties such as:

- **Structural Performance**  
(glass, talc)
- **Wear Resistance**
- **Conductivity**  
(ESD)
- **Custom Colors**
- **Flame Retardant**
- **And more, in any combination**



**Available textures include:** Smooth, Heavy Grain, and Matte

## ESP Sheet Sizing

Production			
	Thickness	Width	Minimum Order Quantity
Medium Line	.020" to .080"	10" to 32"	660 lbs.
Large Line	.030" to .250"	28" to 58"	1,320 lbs.

Evaluation (suitable for proof of concept) <i>Injection molded plaques available upon request.</i>			
	Thickness	Width	Minimum Order Quantity
Lab Line	.020" to .080"	8" to 10"	50 lbs.



### Sheet Weight Calculation (all dimensions in inches)

$$\text{Length (in.)} \times \text{Width (in.)} \times \text{Gauge (in.)} \times \text{specific gravity} / 27.68 = \text{lbs./sheet}$$

Note: for rolls, substitute the length for 36 inches (one linear yard) to determine the pounds per linear yard



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