

**FSP Series** 

# **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.

**BASE POLYMER** 

	Performance Enhancements				
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ABBREVIAT					

ESP Series	BASE POLYMER	ABBREVIATION \	\	. \	-	. \	\
01	Polypropylene	PP		•	•	•	•
02E	Amorphous Nylon	PA		•	•	•	•
03	Polycarbonate	PC		•	•	•	•
04	Polystyrene	PS		•	•	•	•
06	Acrylonitrile Butadiene Styrene	ABS		•	•	•	•
07	Polyethylene	PE		•	•	•	•
08	Acetal	POM	•	•		•	•
09	Polysulfone	PSU		•	•	•	•
14	Polyethersulfone	PES		•	0	•	•
18	Acrylic	РММА	•	•		•	•
21	Polyetherimide	PEI		•	0	•	•
22	Polyetheretherketone	PEEK	•	•	0	•	•
25	Polycarbonate/ABS Alloy	PC/ABS	•	•	•	•	•
28	Thermoplastic Polyolefin Elastomer	TPE	•	•	•	•	•











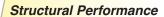
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# ESP™ Product Capabilities

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:



(glass, talc, carbon fiber, etc.)

### Conductivity

(anti-static, static dissipative, EMI/RFI shielding)

### Flame Retardant

(ability to meet wide range of flammability standards)

### Wear Resistance

(lubricated additives, etc.)

### **Custom Colors & Effects**

(glow-in-the-dark, edge glow, speckled, and wood effects)

# Matte Smooth Available Textures

# High Temperature

(withstanding temperatures above 300 °F/150 °C)

## Thermoplastic Elastomer

(SEBS and TPV compounds, range of hardnesses available)

# ESP Sheet Sizing

	Production					
	Thickness	Width	Length	Available Textures	Minimum Order Quantity	
Medium Line	.020" to .080"	10" to 32"	Any shippable length	Smooth, Matte	660 LBS	
Large Line	.030" to .250"	28" to 58"	Any shippable length	Smooth, Matte, Heavy Grain	1,320 LBS	

	Evaluation (suitable for proof of concept) Injection molded plaques available upon request.					
_	Thickness	Width	Minimum Order Quantity	Available Textures	Minimum Order Quantity	
Lab Line	.020" to .080"	8" to 10"	Any shippable length	Smooth, Matte	50 LBS	





# Sheet Weight Calculation (all dimensions in inches)

Length (in.) × Width (in.) × Gauge (in.) × specific gravity / 27.68 = 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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