

## TECHNICAL DATA SHEET: PP (Polypropylene)

### GRATING FEET

	ISO	UNIT	CONDITIONS	RESULTS
<b>General Properties</b>				
Density	1183	g/cm3	23°C	0.9-1.3
<b>Thermal Properties</b>				
Heat Distortion Temperature	75	°C	0.46/1.82MPa	75-110 / 50-80
Service Temperature				
Minimum		°C		-25
Maximum				
(continuous/intermittent)		°C		100 / 110
<b>Mechanical Properties</b>				
Tensile strength at yield	527	Mpa		15 - 35
Elongation at break	527	%		50 - 600
Tensile Modulus	527	Mpa		900 - 1650
Flexural Modulus	178	Mpa		1000 - 3900
Izod Impact Strength				
(notched)	180	kJ/m2	23°C	02 - 40
			-30°C	1 - 10
Charby Impact Strength				
(notched)	179	kJ/m2	23°C	1 - 50
			-30°C	1 - 10
<b>Flammability Properties</b>				
Oxygen index	4589			17 - 29
	UL			
Flammability rating	94			HB - V0
<b>Chemical Properties</b>				
Resistance to Weak / Strong				
Acids				Good/Bad
Resistance to Weak / Strong				
Alkalis				Good/Good
Resistance to Organic				Good below
Solvents				80°C
Resistance to Oils and				
Greases				Bad
Resistance to UV				Bad