

PlasTEAK Grates: Specifications

		PlasTEAK Grate RPP 36	PlasTEAK Grate RPP 48	PlasTEAK Grate RPP 60
Base Material		Fibre-Glass Reinforced Polypropylene	Fibre-Glass Reinforced Polypropylene	Fibre-Glass Reinforced Polypropylene
Size	(inch) (LxWxH) (mm) (LxWxH)	12 x 36 x 1.2 305 x 914 x 30	12 x 48 x 1.2 305 x 1219 x 30	12 x 60 x 1.2 305 x 1524 x 30
Support Span	(inch) (mm)	18 457	16 406	15 381
Weight	(lb) (Kg)	4.2 1.905	5.4 2.449	7.0 3.175
Load Rating	(psf) (kPa)	100 4.8	135 6.5	170 8.1
Load at L/180	(lbf)	239	289	340
ASTM D7032	(kN)	1.06	1.29	1.51
Load at Rupture	(lbf)	1,879	2,141	2,649
ASTM D6109	(kN)	8.4	9.5	11.8
Modulus of Rupture	(psi)	7,830	7,920	9,190
ASTM D6109	(MPa)	53.99	54.61	63.36
Modulus of Elasticity	(psi)	437,000	486,000	426,000
ASTM D6109	(Mpa)	3,013	3,351	2,937
Concentrated Load	(lbf)	1,529	1,447	1,872
ASTM E661	(kN)	6.80	6.44	8.33
Uniformly Distibuted Load	(psf)		157	
Australian Standard AS3962:2001	(kPa)		7.50	
Concentrated Point Load	(lbf)		473	
Australian Standard AS/NZS 1170.1: 2002	(kN)		2.10	
Creep Relaxation	(psf Load @ 24 hrs) (kPa Load @ 24 hrs) % Recovery	200 9.6 92.7%	200 9.6 92.7%	200 9.6 92.7%
Notched Izod Impact	(ft-lb/in) (J/m)			
ASTM D256 Ambient 23°C (73°F)				
Notched Izod Impact	(ft-lb/in) (J/m)			
ASTM D256 Cold -30°C (-22°F)				
Coefficient of Friction	static kinetic			
ASTM D2394				
Wet Pendulum Slip Resistance				
Australian Standard AS/NZS 4586:2004				
Wet Pendulum Slip Resistance				
AS/NZS 4586:2004				
Oil Ramp				
AS/NZS 4586:2004				

