

ROLEC Gehäuse-Systeme GmbH

Flame Retardant ABS, POLYLAC[®] PA-765B

March 9, 2009 V1W

Typical Characteristics

Properties	Test Method	Test Condition	Unit	PA-765B
Tensile Strength	ASTM D638	1/8", 6 mm/min	Kg/cm ² (lb/in ²)	400 (5,670)
Tensile Elongation	ASTM D638	1/8", 6 mm/min	%	25
Flexural Strength	ASTM D790	1/4", 2.8 mm/min	Kg/cm ² (lb/in ²)	650 (9,200)
Flexural Modulus	ASTM D790	1/4", 2.8 mm/min	Kg/cm ² (lb/in ²)	24,000 (340,000)
Izod Impact Strength (Notched)	ASTM D256	1/4", 23°C 1/8", 23°C	Kg-cm/cm(ft-lb/in) Kg-cm/cm(ft-lb/in)	22(4.0) 25(4.6)
Melt Flow Index	ASTM D1238	200°C, 5Kg	g/10min	4.2
Hardness	ASTM D785	1/2"	R Scale	102
Specific Gravity	ASTM D792	23°C	-	1.16
Vicat Softening Temp.	ASTM D1525	1/8", 50°C/hr	°C(°F)	92(198)
H.D.T. Annealed(85°C X8hr) Unannealed	ASTM D648	1/4", 120°C/hr	°C(°F)	85(185) 76(169)
Flammability	UL 94	-	-	2.5mm, V-0 3.2mm, 5VA

