

ESIN Plastic Company

# GPPS-32N

Minral Oil

PROPERTY	UNIT	TEST METHOD	VALUE
<b>Rheological:</b>			
Melt Flow Index (200 °C - 5 kg)	GR/10MIN	ASTM D-1238	10
<b>Thermal:</b>			
VICAT Softening Point (10N)	°C	ASTM D-1525	95
<b>Mechanical:</b>			
Notched IZOD Impact Strength (23°C)	KJ/M2	ASTM D-256	1.5
Unnotched IZOD Impact Strength (23°C)	KJ/M2	ASTM D-256	8
Tensile Strength at Break	MPa	ASTM D-638	42
Elongation at Break	%	ASTM D-638	2.5
Tensile Modulus	MPa	ASTM D-638	2900
<b>Miscellaneous:</b>			
Water Absorption	%	ASTM D-570	≥0.09
Moulding Shrinkage	%	ASTM D-955	0.4-0.8
Density	g/cm <sup>3</sup>	ASTM D-792	1.04

Recommended Injection Molding Parameters		
Units	Value	Barrel Temperature
°C	150 - 180	Zone 1
°C	160 - 200	Zone 2
°C	210 - 240	Zone 3
°C	210 - 250	Zone 4
°C	210 - 250	Nozzle
°C	40 - 60	mold


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