



# AGPOLIEVO™ 6FR15NH OR203

Engineering Polymers developed for  
Fastening Hybrid solutions

PA6 glass fiber reinforced, toughned, flame retardant, halogen free V0, color stable, fully colored.

Characteristics	Test Method	Unit	Value DRY
<b>Physical</b>			
Density	ISO 1183	g/cm <sup>3</sup>	1,30
Humidity absorption (24h-23°C)		%	1,10
<b>Mechanical</b>			
Tensile strength at break (23°C 5mm/min)	ISO 527-2/1A	MPa	80
Elongation at break (23°C 5mm/min)	ISO 527-2/1A	%	5,5
Tensile modulus (23°C)	ISO 527	MPa	6000
Notched impact strength (23°C)	ASTM D256	J/m	60
<b>Thermal</b>			
H.D.T (1,80 MPa-120°C/h)	ISO 75	°C	160
Melting temperature	ISO 11357-1/-3	°C	222
Glass transition temperature	ISO 11357-1/-3	°C	49
<b>Electrical</b>			
Dielectrical strength (500V/sec.)	1,6mm/23°C	KV/mm	> 30
Dielectrical strength (500V/sec.)	1,6mm/90°C	KV/mm	12
<b>Flammability</b>			
Flammability (0,8mm)	UL 94	Class	V0
Flammability (1,6mm)	UL 94	Class	V0
GWFI (2mm)	IEC 60695-2-1/2	°C	960
GWIT (2mm)	IEC 60335-1	°C	850
<b>Color</b>			
Delta E		after 125h/120°C	< 2

*The information contained herein was obtained from test carried out in our laboratory and must therefore be considered indicative and not binding.*