

# Veroplas K18

Polymethyl Methacrylate Acrylic  
PlastxWorld Inc.

Message:

Veroplas K18 is a Polymethyl Methacrylate Acrylic product. It can be processed by extrusion or injection molding and is available in Europe or North America. Primary characteristic: impact resistant.

General Information			
Features	High Impact Resistance		
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.19	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/3.8 kg)	1.8	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.20 to 0.60	%	ASTM D955

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	70.3	MPa	ASTM D638
Tensile Elongation (Break)	5.0	%	ASTM D638
Flexural Strength	108	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	21	J/m	ASTM D256

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.35 mm)	100	°C	ASTM D648

Optical	Nominal Value	Unit	Test Method
Refractive Index	1.490		ASTM D542
Transmittance	92.0	%	ASTM D1003

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