

# Alpha PVC FM1R NATURAL

Flexible Polyvinyl Chloride

AlphaGary

## Message:

ALPHAGARY PVC FM1R is a flexible compound designed for high speed extrusion of coated yarn used in the casual furniture industry. This material was engineered to withstand the abuses of outdoor weathering such as ultraviolet exposure and attack by moisture and mildew. It provides good strength, abrasion resistance and low temperature properties. Other possible applications include wire fence coating and automotive harness cable coating.

General Information			
Features	Good Abrasion Resistance		
	Good Strength		
	Good UV Resistance		
	Good Weather Resistance		
	Low Temperature Strength		
	Mildew Resistant		
	Moisture Resistant		
Uses	Coating Applications		
	Furniture		
	Yarn		
RoHS Compliance	Contact Manufacturer		
Appearance	Natural Color		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.32 to 1.38	g/cm <sup>3</sup>	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec, 6.35 mm)	83 to 89		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - 100% Secant (1.91 mm)	17.9	MPa	ASTM D638
Tensile Strength (1.91 mm)	23.4	MPa	ASTM D638
Tensile Elongation (Break, 1.91 mm)	290	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-23.0	°C	ASTM D746
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	149	°C	
Cylinder Zone 2 Temp.	160	°C	
Cylinder Zone 3 Temp.	171	°C	
Cylinder Zone 4 Temp.	177	°C	

Cylinder Zone 5 Temp.	177	°C
Adapter Temperature	177	°C
Melt Temperature	174 to 182	°C
Die Temperature	177	°C

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Recommended distributors for this material

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