AKROTEK® PK-VM M 15 natural



Polyketone

AKRO-PLASTIC GmbH

Technical Data

Product Description

AKROTEK® PK-VM M 15 natural (7576) is a 15 % mineral reinforced Polyketon with high flowability and isotropic shrinkage

Technical components in domestic or industrial sector

General

Material Status	 Commercial: Active 		
Search for UL Yellow Card	 AKRO-PLASTIC GmbH 		
Availability	 Africa & Middle East Asia Pacific	EuropeLatin America	North America
Features	High Flow		
Uses	 Industrial Applications 		
Appearance	 Natural Color 		
Resin ID	• PK		

Molding Shrinkage ISO 294-4 Across Flow 1.5 to 1.6 % Flow 1.5 to 1.6 % Humidity Absorption - 62% RH (70°C) 0.60 to 0.70 % ISO 1110 Jechanical Nominal Value Unit Test Method Tensile Modulus 2500 MPa ISO 527-1/1 Tensile Stress (Yield) 53.0 MPa ISO 527-2/50 Inpact Nominal Value Unit Test Method Charpy Notched Impact Strength (23°C) 5.0 kJ/m² ISO 179/1eA Charpy Unnotched Impact Strength (23°C) 85 kJ/m² ISO 179/1eU Inermal Nominal Value Unit Test Method Melting Temperature 2 220 °C ISO 11357-3 Inditional Information Nominal Value Unit Test Method	Physical	Nominal Value Unit	Test Method
Across Flow 1.5 to 1.6 % Flow 1.5 to 1.6 % Humidity Absorption - 62% RH (70°C) 0.60 to 0.70 % ISO 1110 Iso techanical Nominal Value Unit Test Method Tensile Modulus 2500 MPa ISO 527-1/1 Tensile Stress (Yield) 53.0 MPa ISO 527-2/50 Inpact Nominal Value Unit Test Method Charpy Notched Impact Strength (23°C) 5.0 kJ/m² ISO 179/1eA Charpy Unnotched Impact Strength (23°C) 85 kJ/m² ISO 179/1eU hermal Nominal Value Unit Test Method Melting Temperature 2 220 °C ISO 11357-3 Iso dditional Information Nominal Value Unit Test Method	Density (23°C)	1.34 g/cm³	ISO 1183
Flow 1.5 to 1.6 % Humidity Absorption - 62% RH (70°C) 0.60 to 0.70 % ISO 1110 lechanical Nominal Value Unit Test Method Tensile Modulus 2500 MPa ISO 527-1/1 Tensile Stress (Yield) 53.0 MPa ISO 527-2/50 Inpact Nominal Value Unit Test Method Charpy Notched Impact Strength (23°C) 5.0 kJ/m² ISO 179/1eA Charpy Unnotched Impact Strength (23°C) 85 kJ/m² ISO 179/1eU Inhermal Nominal Value Unit Test Method Melting Temperature 2 220 °C ISO 11357-3 Idditional Information Nominal Value Unit Test Method	Molding Shrinkage		ISO 294-4
Humidity Absorption - 62% RH (70°C) lechanical Nominal Value Unit Test Method Tensile Modulus 2500 MPa ISO 527-1/1 Tensile Stress (Yield) Test Method Test Method Test Method Melting Temperature 2 220 °C ISO 11357-3 ddditional Information Nominal Value Unit Test Method	Across Flow	1.5 to 1.6 %	
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hpact Nominal Value Unit Test Method Charpy Notched Impact Strength (23°C) 5.0 kJ/m² ISO 179/1eA Charpy Unnotched Impact Strength (23°C) 85 kJ/m² ISO 179/1eU hermal Nominal Value Unit Test Method Melting Temperature 2 220 °C ISO 11357-3 dditional Information Nominal Value Unit Test Method	Tensile Modulus	2500 MPa	ISO 527-1/1
Charpy Notched Impact Strength (23°C) Charpy Unnotched Impact Strength (23°C) S5.0 kJ/m² ISO 179/1eA S5.0 kJ/m² ISO 179/1eU S6 kJ/m² ISO 179/1eU S7.0 kJ/m² ISO 179/1eA Nominal Value Unit Test Method Melting Temperature 2 220 °C ISO 11357-3 dditional Information Nominal Value Unit Test Method	Tensile Stress (Yield)	53.0 MPa	ISO 527-2/50
Charpy Unnotched Impact Strength (23°C) hermal Nominal Value Unit Melting Temperature 2 220 °C ISO 179/1eU 1 Test Method Moditional Information Nominal Value Unit Test Method	Impact	Nominal Value Unit	Test Method
hermal Nominal Value Unit Test Method Melting Temperature 2 220 °C ISO 11357-3 dditional Information Nominal Value Unit Test Method	Charpy Notched Impact Strength (23°C)	5.0 kJ/m²	ISO 179/1eA
Melting Temperature 2 220 °C ISO 11357-3 dditional Information Nominal Value Unit Test Method	Charpy Unnotched Impact Strength (23°C)	85 kJ/m²	ISO 179/1eU
dditional Information Nominal Value Unit Test Method	Thermal	Nominal Value Unit	Test Method
	Melting Temperature ²	220 °C	ISO 11357-3
Reinforcement Content 15 % ISO 1172	Additional Information	Nominal Value Unit	Test Method
	Reinforcement Content	15 %	ISO 1172

Notes



¹ Typical properties: these are not to be construed as specifications.

² 10°C/min