

Material Data Sheet

Kiamid 6 S2C PX03-13 NT is a impact modified black polyamide 6 resin for injection



Property	Test Method	Units	Value
MECHANICAL			
flexural strength σ_{fM}	DIN EN ISO 178 50 mm/min	MPa	>60
modulus of elasticity in tension	DIN EN ISO 527-1 1 mm/min	MPa	>1500
tensile strength σ_M	DIN EN ISO 527-1 50 mm/min	MPa	>40
Charpy (notched)	DIN EN ISO 179-1 1eA 23°C	kJ/m ²	> 5
Charpy (unnotched)	DIN EN ISO 179-1 1f 23°C	kJ/m ²	n.B.
Izod (notched) a_{iN}	DIN EN ISO 180 23°C	kJ/m ²	> 5
Izod (unnotched) a_{iU}	DIN EN ISO 180 23°C	kJ/m ²	n.B.
THERMAL			
Vicat softening temperature (VST)	EN ISO 306 B 50	°C	>190
OTHER			
ash content	DIN EN ISO 1172	%	
viscosity number	DIN EN ISO 307	cm ³ /g	130-180
density ρ	ISO 1183 23 °C	g/cm ³	1,00-1,125
water absorption	EN ISO 62 1/L	%	9-10
melt volume-flow rate	EN ISO 1133 -2 MVI 275°C/5 kg	cm ³ /10 min	80-180
residual moisture		%	< 0,20
PROCESSING			
drying temperature		°C	80
drying time		h	4 -8
processing moisture content		%	< 0,15
melt temperature range		°C	240-270
mold temperature range		°C	70-120

Any information given on the chemical and physical characteristics of our products, including technical advice on applications whether verbally, in writing or by testing the product, is given to the best of our knowledge. It does not exempt the buyer from carrying out his own investigations and tests in order to ascertain the products specific suitability for the purpose intended. The buyer is solely responsible for the application, utilisation and processing of the products, and must observe the laws and government regulations and the consequential rights of any third party. At all times our Conditions of Sale apply.

article number:

10-160-1015
10-160-2015
10-160-3015

package

PE-bag
Alu-bag
Oktabin

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(Stand 2017-05-04)