

# Moisture Determination of Different Plastic Granules

Precisa moisture analysis XM60/EM120 Halogen



Moisture Content



Auto-Stop



Sample Weighing



125°C



Plastics are an important parameter in manufacturing and accurate measurement of plastics is essential for quality assurance. Moisture can impact the processability of the majority of plastics and if plastics are moulded or processed with moisture content which is out with the accepted range, then defects can occur, both structurally or visually.

In this application note, we determine the moisture of different plastic granulates using Precisa's XM60/EM120 Halogen moisture analyser.

# Moisture Determination of Different Plastic Granules

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## Precisa moisture analysis XM60/EM120 Halogen

Can be conducted using the XM50, XM60-HR & XM66

Description:	Different plastics granulates			
Utensils:	Aluminium pan, pipette			
Preparation:	Spread thinly on pan			
Sample weight (+/-10%):	10g			
Temperature program:	standard			
<b>Material</b>	<b>PC</b>	<b>PP</b>	<b>PA6</b>	<b>ABS</b>
Temperature	125 °C	105 °C	80 °C	125 °C
Stop Criteria	2d/90s HR 20d/90s	2d/90s HR 20d/90s	2d/60s HR 20d/60s	2d/60s HR 20d/60s
Moisture (average of 3)	0.33 %	0.11 %	0.18 %	0.16 %
Standard Deviation (+/-):	0.011 %	0.017 %	0.014 %	0.015%
Average analysis time:	10 min	10 min	10 min	10 min
Reference:	0.30 %	0.11 %	0.18 %	0.16 %