

Metallised Granulate

Color: Black Metallised

Results

The test results are given as an arithmetic mean \bar{x} of parallel measurements together with indicating standard deviation of the mean values s or uncertainties of the measurements (U) using distribution coefficient $k=2$ for supplementary probability of 95%.

1) Determination of the melt mass flow rate (MFR= according to STN EN ISO 1133:2012
MFR

Identification of the sample	MFR (g/10 min)	
	\bar{x}	S
Met granulate PP	4.9	0.12

2) Determination of tensile properties according STN EN ISO 527 – 2: 2012 – A

Identification of sample	Tensile stress at yield (MPa)		Tensile strain at yield (%)		Tensile stress at break (MPa)		Tensile strain at break (%)	
	\bar{x}	s	\bar{x}	s	\bar{x}	s	\bar{x}	s
Met granulate PP	32,8	0,17	8,8	0,10	14,2	7,2	66,3	58,2

3) Determination of moulding shrinkage according to STN EN ISO 291-4: 2004 – A

Identification of sample	Shrinkage (%)			
	Parallel		Normal	
	\bar{x}	s	\bar{x}	S
Met granulate PP	1,89	0,02	2.06	0,04

4) Determination of density of non-cellular plastics-immersion method according to STN EN ISO 1183-1:2005 + ID A 04/2000-A

Identification of the sample	Parallel measurements (g/cm ³)				\bar{x} (g/cm ³)	U (%)
	Met granulate PP	0,9094	0,9090	0,9093	0,9093	0,909

5) Determination of Charpy impact strength according to STN EN ISO 179-1: 2011-A

Identification of sample	Impact strength	
	\bar{x}	s
Met granulate PP	122,7	7,8