TECHNICAL DATA SHEET

HDPE bottle cap regrind

Physical properties	Metric
Material and quality	HDPE bottle cap regrind
Shape and size	Regrind ~ 5 mm
Melt Flow Index	2,84 g/10 min (190˚C, 5,00kg)
Determination of the melt mass-flow rate (MFR) in accordance with LVS EN ISO 1133-1:2022	
Color	Mix
Density of polymer materials	
Average density of the sample	*0,955 g/cm^3*
The density of polymeric materials was determined in accordance with LVS EN ISO 1183-1:2019	
The immersion fluid used	*Ethanol (density ρ_{EtOH}=0,806 g/cm^3)*
Testing temperature	*T_t=23,0˚C*
Differential scanning calorimetry (DSC)	
The DSC curve was taken in temperature range of from 25 ˚C to 300 ˚C with heating rate 10,0 ˚C/min in a nitrogen atmosphere, flow rate - 50±5 cm^3/min. See attachment Nr. 1	
Sample mass	9,40 mg
The onset temperature of the calorimetric effect	93,24 ˚C
The maximum temperature of the calorimetric effect	135,65 ˚C
The end temperature of the calorimetric effect	149,47 ˚C
Enthalpy of calorimetric effect	-176,94 J/g
Delivery options	
Packaging	Big – bags, max 880 kg
Delivery on pallets	1x1,2m
One truck load	22-24t