

Technical Data Sheet

PIR PA6 Regranulate Black

Product Code: 083803

Recycled Content: 100 % PIR (post-industrial)

Product Description:

083803 PIR PA6 Regranulate Black comes from post-industrial recycled materials in Europe and is suitable for injection moulding and compounding applications.



Physical Property	Value	Units	Test Standard	Test Condition
Izod Notched Impact Strength	7.9	kJ/m ²	ISO 180/1A	23°C
Melt Mass-Flow Rate, MFR	221.4	g/10 min	ISO 1133	275°C, 5.0 kg
Tensile Strength	68.2	MPa	ISO 527-2	
Tensile Modulus	-	MPa	ISO 527	
Elongation at Break	2.7	%	ISO 527-2	
Flexural Modulus	2641.9	MPa	ISO 178	
Flexural Strength	85.3	MPa	ISO 178	
Density	1.13	g/cm ³	ISO 1183-1	
Ash Content	1.5	%	ISO 3451	
Melting Temperature, DSC	219	°C	ISO 11357	10°C/min
Deflection Temperature Under Load	64.8	°C	ISO 75	1.80 MPa
Deflection Temperature Under Load	-	°C	ISO 75	0.45 MPa
Burning Behavior	HB	class		thickness 1.5 mm
Melt Volume-Flow Rate, MVR	-	cm ³ /10 min	ISO 1133	

Physical Property	Value	Units	Test Standard	Test Condition
Water Absorption	-	%	ISO 62	boiling water, 24 h
Humidity Absorption	-	%	ISO 62	
Relative viscosity	2.4	-	ISO 307	0.01g/ml H ₂ SO ₄ , 96%
Viscosity number	124	ml/g	ISO 307	0.005 g/ml H ₂ SO ₄ , 96%

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