

Technical Data Sheet

Circulen Recover EP PA66 MV HI H BLACK

Polyamide 66
LyondellBasell Industries
Engineering Plastics

Product Description

Impact modified, heat stabilized Polyamide 66 formulated on mechanical recycled sourcing. The product is available in black color, pellet form.
Sustainability:

According with the requirements of Standard ISO 14021:2016, Circulen Recover EP PA66 MV HI H BLACK contains 90% of recycled material that is fully based on Post-Industrial Waste (PIW).

General

Recycled Content	• Yes, 90%		
Features	• Heat Stabilized	• Impact Modified	• Medium Viscosity
Processing Method	• Injection Molding		
Resin ID (ISO 1043)	• PA66-I		

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.11 g/cm ³	1.11 g/cm ³	ISO 1183/A

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus	363000 psi	2500 MPa	ISO 527-1/1A/1
Tensile Stress (Yield)	10200 psi	70.0 MPa	ISO 527-2/1A/50
Tensile Strain (Yield)	5.5 %	5.5 %	ISO 527-2/1A/50

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-22°F (-30°C)	4.0 ft·lb/in ²	8.5 kJ/m ²	
73°F (23°C)	5.7 ft·lb/in ²	12 kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-22°F (-30°C)	No Break	No Break	
73°F (23°C)	No Break	No Break	

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			
66 Psi (0.45 Mpa), Unannealed	356 °F	180 °C	ISO 75-2/Bf
264 Psi (1.8 Mpa), Unannealed	144 °F	62.0 °C	ISO 75-2/Af

Additional Information

The tradename "Schulamid" may be abbreviated "SAM" in documents or on labels, "Recover" may be abbreviated "RC".

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Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	176 °F	80 °C
Drying Time	3.0 to 4.0 hr	3.0 to 4.0 hr
Suggested Max Moisture	0.04 to 0.10 %	0.04 to 0.10 %
Processing (Melt) Temp	518 to 554 °F	270 to 290 °C
Mold Temperature	140 to 212 °F	60 to 100 °C

Notes

These are typical property values not to be construed as specification limits.