Technical Data Sheet

Circulen Recover EP PA66 GF15 HI H BLACK

Polyamide 66
LyondellBasell Industries
Engineering Plastics

Product Description

15% glass fiber reinforced, 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 GF15 HI H BLACK contains 75% of recycled material that is fully based on Post-Industrial Waste (PIW).

General

Filler / Reinforcement	• Glass Fiber, 15% Filler by Weight		
Recycled Content	• Yes, 75%		
Features	• Heat Stabilized	• Impact Modified	• Medium Viscosity
Processing Method	• Injection Molding		
Resin ID (ISO 1043)	• PA66-I GF15		

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.21 g/cm³	1.21 g/cm³	ISO 1183/A
Mechanical	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Tensile Modulus	783000 psi	5400 MPa	ISO 527-1/1A/1
Tensile Stress (Break)	13800 psi	95.0 MPa	ISO 527-2/1A/5
Tensile Strain (Break)	2.8 %	2.8 %	ISO 527-2/1A/5
Impact	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Charpy Notched Impact Strength			ISO 179/1eA
-22°f (-30°c)	1.9 ft·lb/in²	4.0 kJ/m²	
73°f (23°c)	4.8 ft·lb/in²	10 kJ/m²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-22°f (-30°c)	31 ft·lb/in²	65 kJ/m²	
73°f (23°c)	29 ft·lb/in²	60 kJ/m²	
Thermal	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Deflection Temperature Under Load			
66 Psi (0.45 Mpa), Unannealed	> 482 °F	> 250 °C	ISO 75-2/Bf
264 Psi (1.8 Mpa), Unannealed	410 °F	210 °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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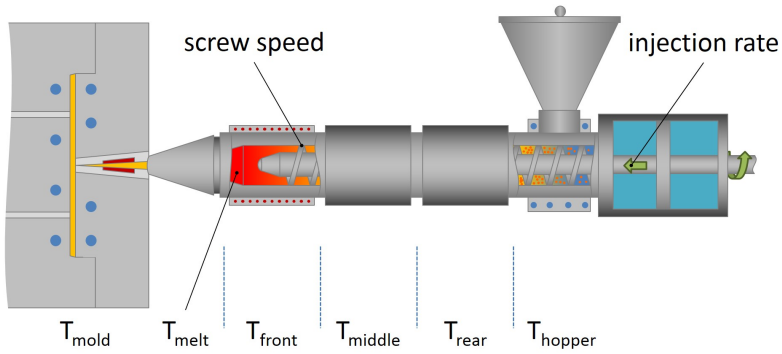

Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	176 °F	80 °C
Drying Time	3.0 to 4.0 hr	3.0 to 4.0 hr
Suggested Max Moisture	0.04 to 0.10 %	0.04 to 0.10 %
Processing (Melt) Temp	536 to 572 °F	280 to 300 °C
Mold Temperature	140 to 248 °F	60 to 120 °C

Notes

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