

Technical Data Sheet

Polyfort TPP35AC23NA-NANAT



Polypropylene, Homopolymer

Product Description

TPP35AC23NA is a 35% Talc-Filled Polypropylene

Regulatory Status

For regulatory compliance information, see TPP35AC23NA-NANAT [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

Status	Discontinued
Availability	North America
Processing Method	Injection Molding
Attribute	Homopolymer
Forms	Pellets
Appearance	Natural Color
Filler/Reinforcement	Talc, 35%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	4.7	g/10 min	ASTM D1238
Density - Specific Gravity	1.2	g/cm ³	ASTM D792
Mechanical			
Tensile Strength, (23 °C)	34.9	MPa	ASTM D638
Flexural Modulus			
(23 °C, 1% Secant)	3470	MPa	ASTM D790
(23 °C, Tangent)	3990	MPa	ASTM D790
Flexural Strength, (23 °C)	61.2	MPa	ASTM D790
Impact			
Unnotched Izod Impact, (23 °C)	350	J/m	ASTM D4812
Thermal			
Deflection Temperature Under Load Unannealed (66 psi)	139	°C	ASTM D648



Injection Parameters	Nominal Value	Units
Drying Time	2.0 to 3.0	hr
Drying Temperature	80	°C
Clamp Tonnage	2.8 to 4.1	kN/cm ²
Nozzle Temperature	216 to 218	°C
Screw Speed	100 to 150	rpm
Processing (Melt) Temp	220 to 260	°C
Front Temperature	213 to 216	°C
Screw L/D Ratio	20.0-1.0	
Screw Compression Ratio	2.0-1.0	
Middle Temperature	210 to 213	°C
Rear Temperature	204 to 210	°C
Back Pressure	0.138 to 0.345	MPa
Mold Temperature	30 to 60	°C

Notes

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

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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