

Technical Data Sheet

Polyfort TPP40AE04UL-NANAT



Polypropylene, Homopolymer

Product Description

Polyfort TPP40AE04UL-NANAT is a Polypropylene Homopolymer Talc, 40% filled material and is typically used in Injection Molding applications. Features include: Heat Stabilized, and Homopolymer.

Regulatory Status

For regulatory compliance information, see TPP40AE04UL-NANAT [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	Latin America; North America
Processing Method	Injection Molding
Attribute	Heat Stabilized; Homopolymer
Forms	Pellets
Appearance	Natural Color
Additive	Heat Stabilizer
Filler/Reinforcement	Talc, 40%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	6.5	g/10 min	ASTM D1238
Density - Specific Gravity	1.25	g/cm ³	ASTM D792
Mechanical			
Tensile Strength, (23 °C)	33.8	MPa	ASTM D638
Flexural Modulus			
(23 °C, 1% Secant)	3300	MPa	ASTM D790
(23 °C, Tangent)	4290	MPa	ASTM D790
Tensile Elongation at Break, (23 °C)	6.0	%	ASTM D638
Flexural Strength, (23 °C)	55.8	MPa	ASTM D790
Impact			
Gardner Impact, (23 °C)	0.565	J	ASTM D5420
Unnotched Izod Impact, (23 °C)	210	J/m	ASTM D4812
Notched Izod Impact, (23 °C)	27	J/m	ASTM D256
Thermal			
Deflection Temperature Under Load Unannealed (264 psi)	82.2	°C	ASTM D648
Deflection Temperature Under Load Unannealed (66 psi)	135	°C	ASTM D648



Injection Parameters	Nominal Value	Units
Drying Time	2.0 to 3.0	hr
Drying Temperature	80	°C
Processing (Melt) Temp	220 to 260	°C
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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