

WELLAMID Nylon 6000 GS 30 HWCP

Polyamide 6

CP-Polymer-Technik GmbH & Co. KG



ides.com/prospector

Technical Data

General

Material Status	<ul style="list-style-type: none">Commercial: Active
Literature ¹	<ul style="list-style-type: none">Brochure - Abbreviations (English)Processing (English)Technical Datasheet (English)
Search for UL Yellow Card	<ul style="list-style-type: none">CP-Polymer-Technik GmbH & Co. KGWELLAMID Nylon
Availability	<ul style="list-style-type: none">Europe
Filler / Reinforcement	<ul style="list-style-type: none">Glass Bead, 30% Filler by Weight
Additive	<ul style="list-style-type: none">Heat Stabilizer
Features	<ul style="list-style-type: none">Heat Stabilized

Physical	Dry	Conditioned	Unit	Test Method
Density	1.35	--	g/cm ³	ISO 1183
Molding Shrinkage				ISO 294-4
Across Flow: 4.00 mm	0.80 to 1.0	--	%	
Flow: 4.00 mm	0.80 to 1.0	--	%	
Water Absorption (Equilibrium, 23°C, 50% RH)	1.8 to 2.3	--	%	ISO 62
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	4500	2000	MPa	ISO 527-2
Tensile Stress (Break)	80.0	50.0	MPa	ISO 527-2/5
Tensile Strain (Break)	8.5	20	%	ISO 527-2/5
Flexural Modulus	4000	--	MPa	DIN 52457
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (23°C)	6.0	15	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	30 kJ/m ²	No Break		ISO 179
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, Unannealed	190	--	°C	ISO 75-2/B
1.8 MPa, Unannealed	80.0	--	°C	ISO 75-2/A
Vicat Softening Temperature	200	--	°C	ISO 306/B50
Melting Temperature	215	--	°C	
CLTE - Flow (23 to 80°C)	0.000050	--	cm/cm/°C	DIN 53752
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	1.0E+12	1.0E+10	ohm	IEC 60093
Volume Resistivity	1.0E+15	1.0E+12	ohm·cm	IEC 60093
Electric Strength	35	35	kV/mm	IEC 60243-1
Relative Permittivity (1 MHz)	4.00	6.00		IEC 60250
Dissipation Factor (1 MHz)	0.020	0.20		IEC 60250
Comparative Tracking Index	450	--	V	IEC 60112
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating				UL 94
1.60 mm	HB	--		
3.20 mm	HB	--		
Injection	Dry Unit			
Processing (Melt) Temp	250 to 270 °C			
Mold Temperature	60.0 to 90.0 °C			
Injection Rate	Moderate			

WELLAMID Nylon 6000 GS 30 HWCP

Polyamide 6

CP-Polymer-Technik GmbH & Co. KG

Notes

¹ These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

² Typical properties: these are not to be construed as specifications.

WELLAMID Nylon 6000 GS 30 HWCP

Polyamide 6

CP-Polymer-Technik GmbH & Co. KG

Where to Buy

Supplier

WELLAMID Nylon 6000 GS 30 HWCP

CP-Polymer-Technik GmbH & Co. KG

Ritterhude, Germany

Telephone: +49 4292 81670 0

Web: <http://www.cp-polymer-technik.com/>

WELLAMID Nylon 6000 GS 30 HWCP

CP-Polymer-Technik GmbH & Co. KG

Ritterhude, Germany

Telephone: +49 4292 81670 0

Web: <http://www.cp-polymer-technik.com/>

Distributor

WELLAMID Nylon 6000 GS 30
HWCP

GAZECHIM PLASTIQUES

GAZECHIM PLASTIQUES is a Pan European distribution company. Contact GAZECHIM PLASTIQUES for availability of individual products by country.

Telephone: +33-4-67-49-55-37

Web: <http://www.gazechim.com/>

Availability: Denmark, Finland, Norway, Sweden

WELLAMID Nylon 6000 GS 30
HWCP

GAZECHIM PLASTIQUES

GAZECHIM PLASTIQUES is a Pan European distribution company. Contact GAZECHIM PLASTIQUES for availability of individual products by country.

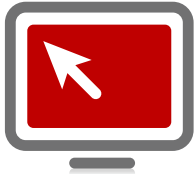
Telephone: +33-4-67-49-55-37

Web: <http://www.gazechim.com/>

Availability: Denmark, Finland, Norway, Sweden



Founded in 1986 and based in Laramie, Wyoming, IDES is now part of the UL family of companies. UL is a premier global independent safety science company with more than a century of proven history. Employing nearly 10,000 professionals in over 100 countries, UL has five distinct business units -- Product Safety, Environment, Life & Health, Knowledge Services and Verification Services -- to meet the expanding needs of our customers and to deliver on our public safety mission.



Prospector Plastics Database - www.ides.com/prospector

Prospector is a searchable online database that includes 85,000 data sheets from 875 manufacturers and 44,000 UL yellow cards. Each data sheet includes property, processing and supplier contact information. Prospector is relied on by nearly 400,000 design engineers and plastics processors. Using Prospector, they save time with plastic material selection by quickly and easily referencing technical information critical to the success of their products.

"Prospector is absolutely the best and most well-known search engine for plastic raw materials in the world. We use Prospector every day – it's a real time saver!"

– Birgit Elvardt Bader, Production Manager, Micotron

Power Searches

Property Search – select plastics by 500 key properties and design parameters.

Alternative Resins Search – find replacement plastics within minutes.

Automotive Plastics Search – easily locate automotive approved plastics.

Curve Data – view, overlay and export curve data.



Material Data Management – www.ides.com/datasheets

With our data management services, plastic suppliers and distributors can have custom search interfaces available on their website for their customers, website visitors, sales and customer service teams. These provide intuitive ways to find and view technical data sheets for their products.

"With UL IDES data services, our website now displays the most current information on the products we distribute and links to our backend RFQ and sales order system, adding both value and service for our customers."

– Kevin Chase, Owner & President, Chase Plastics



Advertising – www.ides.com/advertise

Reach 365,000 pre-qualified plastics professionals and generate leads with proven techniques. Electronic newsletter insertions, sponsored webinars and powerful online ads are available to make the most of your lead-generation program.



For more information, call: 800.788.4668 or 307.742.9227 ext. 220