

Technical Data Sheet

Polyflam 15A4201DG2A481GRY



Polypropylene, Unspecified (PP, Unspecified)

Product Description

Polyflam 15A4201DG2A481GRY is a Polypropylene, Unspecified Talc, 20% filled material.

Regulatory Status

For regulatory compliance information, see 15A4201DG2A481GRY [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	North America
Forms	Pellets
Appearance	Colors Available
Additive	Flame Retardant
Filler/Reinforcement	Talc, 20%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	8.0	g/10 min	ASTM D1238
Density - Specific Gravity	1.37	g/cm ³	ASTM D792
Mechanical			
Tensile Strength at Yield	20.7	MPa	ASTM D638
Flexural Modulus, (Tangent)	2410	MPa	ASTM D790
Impact			
Gardner Impact	7.91	J	ASTM D5420
Notched Izod Impact	53	J/m	ASTM D256
Thermal			
Deflection Temperature Under Load Unannealed (264 psi)	68.3	°C	ASTM D648
Deflection Temperature Under Load Unannealed (66 psi)	116	°C	ASTM D648
RTI Str	105	°C	UL 746B
UL Information			
Flame Rating			
(1.5 mm)	V-0		UL 94
(3.0 mm)	5VA		UL 94



Injection Parameters	Nominal Value	Units
Drying Time	2.0 to 4.0	hr
Drying Temperature, (Desiccant Dryer)	82	°C
Nozzle Temperature	182 to 227	°C
Screw Speed	20 to 60	rpm
Front Temperature	182 to 227	°C
Middle Temperature	182 to 204	°C
Rear Temperature	182 to 204	°C
Injection Rate	Slow-Moderate	
Back Pressure	<0.689	MPa
Mold Temperature	32 to 66	°C

Notes

These are typical property values not to be construed as specification limits. The typical values for this product may have been tested on a natural grade.

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/>.

© LyondellBasell Industries Holdings, B.V. 2018

Disclaimer

Information in this document is accurate to the best of our knowledge at the date of publication. The document is designed to provide users general information for safe handling, use, processing, storage, transportation, disposal and release and does not constitute any warranty or quality specification, either express or implied, including any warranty of merchantability or fitness for any particular purpose. Users shall determine whether the product is suitable for their use and can be used safely and legally.

In addition to any prohibitions of use specifically noted in this document, LyondellBasell may further prohibit or restrict the sale of its products into certain applications. For further information, please contact a LyondellBasell representative.

Trademarks

The Trademark referenced within the product name is owned or used by the LyondellBasell family of companies.