

TDS Polyfort[™] FIPP MKF 4025 K2311

Polypropylene Copolymer

Product					
40% glass fibre and mineral reinforced content of 20% recycled PP	/ filled PF	P-Copolymer compound v	vith reduced warpag	le and a maxim	um
General					
Material Status	Pending	g Approval			
Availability	Europe	Europe			
Filler / Reinforcement	Glass\N	Glass\Mineral, 40% Filler by Weight			
Processing Method	Injectio	njection Molding			
Resin ID (ISO 1043)	PP-C 2	PP-C 25%GF 15% MF			
Physical		Nominal Value (English)	Nominal Value (SI)	Test Me	ethod
Density		1.22 g/cm ³	1.22 g/cm ³ ISC		83/A
Melt Volume-Flow Rate (MVR) (230°C/	2.16 kg)	1.22 in ³ /10min	20.0 cm³/10mi	n ISO 11	33
Mechanical		Nominal Value (English)	Nominal Value (SI)	Test Method	
Tensile Modulus		769000 psi	5300 MPa	ISO 527-2/1A	√1
Tensile Stress (Break)		6960 psi	48.0 MPa	ISO 527-2/1A	√5
Tensile Strain (Break)		3.3 %	3.3 %	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)		2.9 ft·lb/in ²	6.0 kJ/m ²		
73°F (23°C)		3.8 ft·lb/in ²	8.0 kJ/m ²		
Charpy Unnotched Impact Strength				ISO 179/1eU	
-22°F (-30°C)		13 ft·lb/in²	27 kJ/m²		
73°F (23°C)		14 ft·lb/in ²	30 kJ/m²		

Page: 1 of 3

Copyright ©, 2017 A. Schulman

```
www.aschulman.com
Publish Date: 2017-06-15
```

The information and recommendations contained in this document are based upon data collected by A. Schulman and are believed to be reliable; however, because A. Schulman cannot anticipate or control the many different conditions under which this information and/or product may be used, no representation is made and no warranty is given of any kind, express or implied, for completeness, accuracy, availability, suitability, usefulness, commercial value, or non-violation of intellectual property rights of information, recommendations, and products and services directly or indirectly provided. A. Schulman assumes no responsibility for the results of the use of products and processes described herein and expressly disclaims the implied warranties of merchantability and fitness for a particular use.



TDS Polyfort[™] FIPP MKF 4025 K2311

Polypropylene Copolymer

Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Ball Indentation Hardness (H 358/30)	13100 psi	90.0 MPa	ISO 2039-1
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Heat Deflection Temperature			
66 psi (0.45 MPa), Unannealed	315°F	157°C	ISO 75-2/Bf
264 psi (1.8 MPa). Unannealed	288°F	142°C	ISO 75-2/Af

Additional Information

1) Not for use in food contact applications

2) Not for use in medical or pharmaceutical applications

Page: 2 of 3 Copyright ©, 2017 A. Schulman

www.aschulman.com Publish Date: 2017-06-15

The information and recommendations contained in this document are based upon data collected by A. Schulman and are believed to be reliable; however, because A. Schulman cannot anticipate or control the many different conditions under which this information and/or product may be used, no representation is made and no warranty is given of any kind, express or implied, for completeness, accuracy, availability, suitability, usefulness, commercial value, or non-violation of intellectual property rights of information, recommendations, and products and services directly or indirectly provided. A. Schulman assumes no responsibility for the results of the use of products and processes described herein and expressly disclaims the implied warranties of merchantability and fitness for a particular use.



TDS Polyfort[™] FIPP MKF 4025 K2311

Polypropylene Copolymer



Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	176°F	80°C
Drying Time	2.0 to 3.0 hr	2.0 to 3.0 hr
Suggested Max Regrind	20%	20%
Processing (Melt) Temp	446 to 518°F	230 to 270°C
Mold Temperature	104 to 158°F	40 to 70°C

Injection Notes

*Drying normally not necessary

Page: 3 of 3 Copyright ©, 2017 A. Schulman

www.aschulman.com Publish Date: 2017-06-15

The information and recommendations contained in this document are based upon data collected by A. Schulman and are believed to be reliable; however, because A. Schulman cannot anticipate or control the many different conditions under which this information and/or product may be used, no representation is made and no warranty is given of any kind, express or implied, for completeness, accuracy, availability, suitability, usefulness, commercial value, or non-violation of intellectual property rights of information, recommendations, and products and services directly or indirectly provided. A. Schulman assumes no responsibility for the results of the use of products and processes described herein and expressly disclaims the implied warranties of merchantability and fitness for a particular use.