

## Domolen 1101 S



**Domolen 1101 S is a polypropylene homopolymer for the production of Continuous Filaments (CF) and Bulk Continuous Filaments (BCF) with phenolic free antigasfading stabilisation and inherent UV-stability.**

**Food Contact Applications: Domolen 1101 S - is in compliance with most regulations regarding food contact applications (EU, FDA). Specific information is available upon request.**

### Properties Typical value

Properties	Unit	Test method	Value	
<b><u>Melt flow rate</u></b>				
MFR 230 / 2. 16	g/10 min	ISO 1133	24	
<b><u>Technical properties</u></b>				
Tensile modulus of elasticity (v = 1mm / min)	MPa	ISO 575-2	1500	
Tensile yield stress (v = 50mm / min)	MPa	ISO 572-2	35	
Tensile yield strain (v = 50mm / min)	%	ISO 572-2	8	
Tensile strain at break (v = 50mm / min)	%	ISO 572-2	>50	
Charpy impact strength notched	+ 23 <sup>0</sup> C	kJ/m <sup>2</sup>	ISO 179 / 1eA	2.5
	- 30 <sup>0</sup> C	kJ/m <sup>2</sup>	ISO 179 / 1eA	1.5
Charpy impact strength unnotched	+ 23 <sup>0</sup> C	kJ/m <sup>2</sup>	ISO 179 / 1eU	110
	- 30 <sup>0</sup> C	kJ/m <sup>2</sup>	ISO 179 / 1eU	13
Ball indentation hardness (H 132/30 - *H 358-/30)	MPa	ISO 2039-1	78	
<b><u>Thermal properties</u></b>				
Melting point, DCS	<sup>0</sup> C	ISO 3146	163	
Heat deflection temperature:				
- HDT / A (1.8 MPa)	<sup>0</sup> C	ISO 75-2	55	
- HDT / B (0.45 MPa)	<sup>0</sup> C	ISO 75-2	85	
Vicat softening temperature:				
- VST / A (10N)	<sup>0</sup> C	ISO 306	154	
- VST / B (50N)	<sup>0</sup> C	ISO 306	90	
<b><u>Other properties</u></b>				
Density	g/cm <sup>3</sup>	ISO 1183	0.91	
<b><u>Applications</u></b>				
BCF / CF				

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