



## Domolen 2500 H

Domolen 2500H is a heterophasic propylene copolymer. Domolen 2500H exhibits excellent impact strength at low temperatures combined with good processability.

**Food Contact Applications:** This grade 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	2
<b><u>Technical properties</u></b>			
Tensile modulus of elasticity (v = 1mm / min)	MPa	ISO 527-2	1100
Tensile yield stress (v = 50mm / min)	MPa	ISO 527-2	23
Tensile yield strain (v = 50mm / min)	%	ISO 527-2	8
Tensile strain at break (v = 50mm / min)	%	ISO 527-2	>50
Tensile creep modulus (1000h, elongation ≤ 0.5%)	MPa	ISO 899-1	220
Shear modulus	MPa	ISO 6721-2	530
Charpy impact strength notched	+ 23 <sup>0</sup> C	ISO 179 / 1eA	60P
	± 0 <sup>0</sup> C		12
	- 20 <sup>0</sup> C		8
	- 30 <sup>0</sup> C		7
Charpy impact strength unnotched	+ 23 <sup>0</sup> C	ISO 179 / 1eU	NB
	± 0 <sup>0</sup> C		NB
	- 20 <sup>0</sup> C		NB
	- 30 <sup>0</sup> C		NB
Izod impact strength notched	+ 23 <sup>0</sup> C	ISO 180 / 1A	50P
	± 0 <sup>0</sup> C		13
	- 20 <sup>0</sup> C		9
	- 30 <sup>0</sup> C		7
Ball indentation hardness (H 132/30 - *H 358-/30)	MPa	ISO 2039-1	44
<b><u>Thermal properties</u></b>			
Melting point, DSC	<sup>0</sup> C	ISO 3146	163
Heat deflection temperature:			
- HDT / A (1.8 MPa)	<sup>0</sup> C	ISO 75-2	50
- HDT / B (0.45 MPa)	<sup>0</sup> C	ISO 75-2	80
Vicat softening temperature:			
- VST / A (10N)	<sup>0</sup> C	ISO 306	148
- VST / B (50N)	<sup>0</sup> C	ISO 306	60
<b><u>Other properties</u></b>			
Density	g/cm <sup>3</sup>	ISO 1183	0.91
<b><u>Applications</u></b>			
Crates and containers			

P = specimen partially broken  
Issue date: 1510-2007

NB = specimen not broken

Not certified if printed

For further information please contact: [polypropylene@domo.org](mailto:polypropylene@domo.org)

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