



## Domolen 2348TC

Domolen 2348TC is a CR modified propylene block copolymer with a good flowability and excellent impact/ stiffness balance. The product is formulated with a nucleation and antistatic stabilization package.

**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 values)

Properties	Unit	Test method	Value	
<b><u>Melt flow rate</u></b>				
MFR 230 / 2. 16	g/10 min	ISO 1133	48	
<b><u>Technical properties</u></b>				
Tensile modulus of elasticity (v = 1mm/min)	MPa	ISO 527-2	1350	
Tensile yield stress (v = 50mm/min)	MPa	ISO 527-2	27	
Tensile yield strain (v = 50mm/min)	%	ISO 527-2	5.0	
Tensile strain at break (v = 50mm/min)	%	ISO 527-2	40	
Shear modulus	MPa	ISO 6721-2	710	
Charpy impact strength notched	+ 23°C	kJ/m <sup>2</sup>	ISO 179 / 1eA	6.0
	+/- 0°C	kJ/m <sup>2</sup>	ISO 179 / 1eA	3.5
	- 20°C	kJ/m <sup>2</sup>	ISO 179 / 1eA	2.5
	- 30°C	kJ/m <sup>2</sup>	ISO 179 / 1eA	2.0
Charpy impact strength unnotched	+ 23°C	kJ/m <sup>2</sup>	ISO 179 / 1eU	NB
	+/- 0°C	kJ/m <sup>2</sup>	ISO 179 / 1eA	80
	- 20°C	kJ/m <sup>2</sup>	ISO 179 / 1eA	45
	- 30°C	kJ/m <sup>2</sup>	ISO 179 / 1eU	35
Izod impact strength notched	+ 23°C	kJ/m <sup>2</sup>	ISO 180 / 1A	4.0
	- 30°C	kJ/m <sup>2</sup>	ISO 180 / 1A	2.0
Ball indentation hardness (H 358/30)	MPa	ISO 2039-1	62	
<b><u>Thermal properties</u></b>				
Melting point, DSC	°C	ISO 3146	163	
Heat deflection temperature:				
- HDT / A (1.8 MPa)	°C	ISO 75-2	53	
- HDT / B (0.45 MPa)	°C	ISO 75-2	90	
Vicat softening temperature:				
- VST / A (10N)	°C	ISO 306	151	
- VST / B (50N)	°C	ISO 306	70	
<b><u>Other properties</u></b>				
Density	g/cm <sup>3</sup>	ISO 1183	0.91	
<b><u>Applications</u></b>				
Packaging, general injection moulding				

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NB = specimen not broken

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

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