



Domolen 2600 M

Domolen 2600 M is a copolymer which combines a good stiffness with an excellent impact strength. Typical applications are crates and containers, luggage, housewares.

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	
<u>Melt flow rate</u>				
MFR 230 / 2. 16	g/10 min	ISO 1133	7.5	
<u>Technical properties</u>				
Tensile modulus of elasticity (v = 1mm / min)	MPa	ISO 527-2	1150	
Tensile yield stress (v = 50mm / min)	MPa	ISO 527-2	21	
Tensile yield strain (v = 50mm / min)	%	ISO 527-2	6	
Tensile strain at break (v = 50mm / min)	%	ISO 527-2	>50	
Shear modulus	MPa	ISO 6721-2	550	
Charpy impact strength notched	+ 23°C	kJ/m ²	ISO 179 / 1eA	45P
	+/- 0°C	kJ/m ²	ISO 179 / 1eA	9
	- 20°C	kJ/m ²	ISO 179 / 1eA	7
	- 30°C	kJ/m ²	ISO 179 / 1eA	6
Charpy impact strength unnotched	+ 23°C	kJ/m ²	ISO 179 / 1eU	NB
	+/- 0°C	kJ/m ²	ISO 179 / 1eU	NB
	- 20°C	kJ/m ²	ISO 179 / 1eU	NB
	- 30°C	kJ/m ²	ISO 179 / 1eU	170
Izod impact strength notched	+ 23°C	kJ/m ²	ISO 180 / 1A	45P
	+/- 0°C	kJ/m ²	ISO 180 / 1A	8
	- 20°C	kJ/m ²	ISO 180 / 1A	6
	- 30°C	kJ/m ²	ISO 180 / 1A	5
Ball indentation hardness (H 132/30)	MPa	ISO 2039-1	46	
<u>Thermal properties</u>				
Melting point, DSC	°C	ISO 3146	163	
Heat deflection temperature:				
- HDT / A (1.8 MPa)	°C	ISO 75-2	50	
- HDT / B (0.45 MPa)	°C	ISO 75-2	80	
Vicat softening temperature:				
- VST / A (10N)	°C	ISO 306	144	
- VST / B (50N)	°C	ISO 306	58	
<u>Other properties</u>				
Density	g/cm ³	ISO 1183	0.91	
<u>Applications</u>				
Crates and containers, luggage, housewares				

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NB = specimen not broken

For further information please contact: polypropylene@domo.org

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