



Domolen 3048TC

Domolen 3048TC is a CR modified homopolymer. The product is nucleated and contains an anti-electrostatic agent, and exhibits a very good flowability, high-transparency and stiffness.

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	48
<u>Technical properties</u>				
Tensile modulus of elasticity (v = 1mm/min)		MPa	ISO 527-2	1900
Tensile yield stress (v = 50mm/min)		MPa	ISO 527-2	39
Tensile yield strain (v = 50mm/min)		%	ISO 527-2	7
Tensile strain at break (v = 50mm/min)		%	ISO 527-2	>20
Shear modulus		MPa	ISO 6721-2	1000
Charpy impact strength notched	+23°C	kJ/m ²	ISO 179 / 1eA	2
	+/- 0°C	kJ/m ²	ISO 179 / 1eA	1.5
	- 30°C	kJ/m ²	ISO 179 / 1eA	1
Charpy impact strength unnotched	+23°C	kJ/m ²	ISO 179 / 1eU	75
	- 30°C	kJ/m ²	ISO 179 / 1eU	11
Izod impact strength notched	+23°C	kJ/m ²	ISO 180 / 1A	2.2
	- 30°C	kJ/m ²	ISO 180 / 1A	1.1
Ball indentation hardness (H 358/30)		MPa	ISO 2039-1	90
<u>Thermal properties</u>				
Melting point, DCS		°C	ISO 3146	163
Heat deflection temperature:				
- HDT / A (1.8 MPa)		°C	ISO 75-2	60
- HDT / B (0.45 MPa)		°C	ISO 75-2	100
Vicat softening temperature:				
- VST / A (10N)		°C	ISO 306	155
- VST / B (50N)		°C	ISO 306	98
<u>Other properties</u>				
Haze (<i>injection moulded disk, 1 mm thick</i>)		%	ASTM D 1003	11
Density		g/cm ³	ISO 1183	0.91
<u>Applications</u>				
Thin walled package with high transparency				

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For further information please contact: polypropylene@domo.org

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