



Domolen 3048TC

Domolen 3048TC is nucleated CR propylene homopolymer with high flowability and excellent transparency. Domolen 3048TC has been designed with a very high stiffness and anti-static properties.

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	
<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 ⁰ C	kJ/m ²	ISO 179 / 1eA	2
	+/- 0 ^o C	kJ/m ²	ISO 179 / 1eA	1,5
	- 30 ⁰ C	kJ/m ²	ISO 179 / 1eA	1
Charpy impact strength unnotched	+ 23 ⁰ C	kJ/m ²	ISO 179 / 1eU	75
	- 30 ⁰ C	kJ/m ²	ISO 179 / 1eU	11
Izod impact strength notched	+ 23 ⁰ C	kJ/m ²	ISO 180 / 1A	2.2
	- 30 ⁰ C	kJ/m ²	ISO 180 / 1A	1,1
Ball indentation hardness (H 132/30 - *H 358-/30)	MPa	ISO 2039-1	90	
<u>Thermal properties</u>				
Melting point, DCS	⁰ C	ISO 3146	163	
Heat deflection temperature:				
- HDT / A (1.8 MPa)	⁰ C	ISO 75-2	60	
- HDT / B (0.45 MPa)	⁰ C	ISO 75-2	100	
Vicat softening temperature:				
- VST / A (10N)	⁰ C	ISO 306	155	
- VST / B (50N)	⁰ C	ISO 306	98	
<u>Other properties</u>				
Haze *1	%	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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* 1 = injection-moulded disk, thickness = 1mm

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