



CMV348

Previous grade number
2348MC

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Information

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**Sasol Polymers
Polypropylene Business**

MFI 8.5g/10 min

Sasol Polymers PP CMV348

is an easy flow narrow molecular mass distribution polypropylene impact copolymer (commonly termed a Controlled Rheology grade). The grade is formulated with antistatic additives.

Injection moulding:

Sasol Polymers PP CMV348 is specifically recommended for the manufacture of cylindrical containers (paint containers) up to 5 litres in capacity. It offers excellent top loading performance as well as good toughness.

The grade is also suitable for the injection mould of technical articles utilising relatively long flow path/wall thickness ratios, and complex moulding geometry.

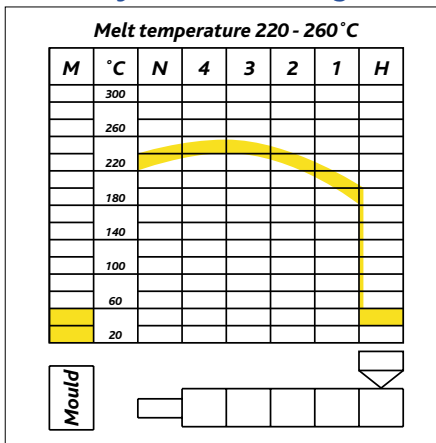
Typical applications are:

- Paint containers
- Domestic food storage containers
- Outdoor stadium seating
- Furniture components

Sasol Polymers PP CMV348 contains a nucleating agent which ensures rapid crystallisation, resulting in an improved impact to stiffness balance as well as shorter cooling times.

Typical processing temperatures

Injection moulding



Sasol Polymers PP CMV348
(previously 2348MC)

Typical values at 23°C for uncoloured products

	Value	Unit	Test method	
			ISO	DIN
Physical properties				
Mass density	0.91	g/cm ³	1183	53479A
Melting point DSC	163	°C	3146	–
Melt flow index MFI 230/2.16	8.5	g/10 min	1133	53735
Mechanical properties				
Tensile strength at yield (50mm/min)	29	MPa	527	53455
Elongation at yield (50mm/min)	6.5	%	527	53455
Ultimate elongation (50mm/min)	>50	%	527	53455
Modulus of elasticity in tension (1mm/min)	1450	MPa	527	53457
Izod notched impact resistance 23°C	7.5	kJ/m ²	180/1A	–
Charpy impact resistance 23°C	NB	kJ/m ²	179/1eU	53453
Charpy impact resistance 0°C	140	kJ/m ²	179/1eU	53453
Charpy impact resistance -20°C	90	kJ/m ²	179/1eU	53453
Ball indentation hardness H 358/30	62	MPa	2039-1	–
Shrinkage	1.5	%	*	*
Thermal properties				
Heat distortion temp HDT/A (1.8 MPa)	50	°C	75	53461
Heat distortion temp HDT/B (0.45 MPa)	90	°C	75	53461
Vicat softening point A/120 10N	153	°C	306	–

* Sasol Polymers method