Product Data Sheet

CPV340

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sasol
reaching new frontiers

Sasol Polymers
Polypropylene Business

MFR 16g/10 min

Sasol Polymers PP CPV340

is a high flow narrow molecular weight distribution polypropylene impact copolymer.

Injection moulding:

Sasol Polymers PP CPV340 is particularly suitable for injection moulding of thin walled articles, requiring good impact resistance and stiffness.

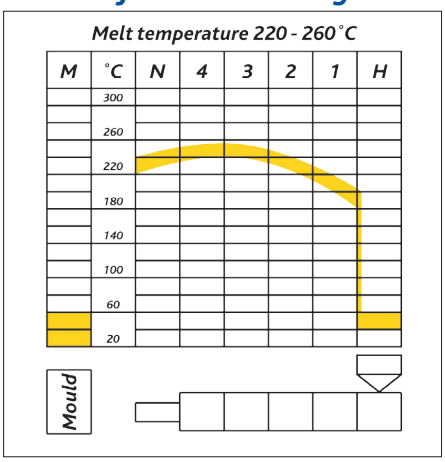
Typical applications are:

- *Stadium seating*
- *Domestic wares (Housewares)*
- *Caps and closures*
- *Boxes and containers*
- *Indoor furniture*
- *Cosmetic containers*

Sasol Polymers PP CPV340 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 CPV340

Typical values, not to be construed as specifications.

	VALUE	UNIT	TEST METHOD
Rheological properties			
Melt mass-flow rate - MFR (230/2.16)	16	g/10 min	ISO 1133
Moulding Shrinkage - S_{Mp} / S_{Mn}	1.3 / 1.3	%	ISO 294-4
Mechanical properties			
Tensile Modulus of Elasticity	1350	MPa	ISO 527-2/1A/1
Tensile Stress at Yield	28	MPa	ISO 527-2/1A/50
Tensile Strain at Yield	6.5	%	ISO 527-2/1A/50
Tensile Strain at Break	>50	%	ISO 527-2/1A/50
Charpy Notched Impact Strength (23°C)	5.5	kJ/m²	ISO 179-1/1eA
Charpy Notched Impact Strength (0°C)	3.0	kJ/m²	ISO 179-1/1eA
Charpy Notched Impact Strength (-20°C)	2.5	kJ/m²	ISO 179-1/1eA
Ball Indentation Hardness - HB	60	N/mm²	ISO 2039-1
Thermal properties			
Melting Temperature - DSC	163	°C	ISO 11357-3
Heat Deflection Temperature - HDT/A (1.8 MPa)	51	°C	ISO 75-2
Heat Deflection Temperature - HDT/B (0.45 MPa)	88	°C	ISO 75-2
Vicat Softening Temperature - VST/A 120 (10N)	151	°C	ISO 306
Vicat Softening Temperature - VST/ B 120 (50N)	67	°C	ISO 306
Other properties			
Density	0.905	g/cm³	ISO 1183-1