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Information

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**Sasol Polymers
Polypropylene Business**

MFR 24g/10 min

Sasol Polymers PP CRV648

is a high flow narrow molecular weight distribution polypropylene impact copolymer. The grade is formulated with antistatic additives.

Injection moulding:

Sasol Polymers PP CRV648 is particularly suitable for injection moulding of thin walled articles, requiring very good low temperature impact resistance with good stiffness.

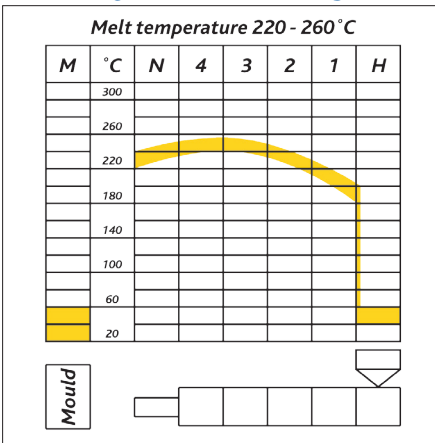
Typical applications are:

- Ice cream tubs
- Paint containers
- Shopping baskets
- Buckets
- Storage boxes
- Luggage

Sasol Polymers PP CRV648 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 CRV648

Typical values, not to be construed as specifications.

	VALUE	UNIT	TEST METHOD
Rheological properties			
Melt mass-flow rate - MFR (230/2.16)	24	g/10 min	ISO 1133
Moulding Shrinkage - S_{Mp} / S_{Mn}	1.3 / 1.3	%	ISO 294-4
Mechanical properties			
Tensile Modulus of Elasticity	975	MPa	ISO 527-2/1A/1
Tensile Stress at Yield	20	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)	12	kJ/m ²	ISO 179-1/1eA
Charpy Notched Impact Strength (0°C)	6.5	kJ/m ²	ISO 179-1/1eA
Charpy Notched Impact Strength (-20°C)	4.5	kJ/m ²	ISO 179-1/1eA
Ball Indentation Hardness - HB	42	N/mm ²	ISO 2039-1
Thermal properties			
Melting Temperature - DSC	163	°C	ISO 11357-3
Heat Deflection Temperature - HDT/A (1.8 MPa)	46	°C	ISO 75-2
Heat Deflection Temperature - HDT/B (0.45 MPa)	76	°C	ISO 75-2
Vicat Softening Temperature - VST/A 120 (10N)	142	°C	ISO 306
Vicat Softening Temperature - VST/ B 120 (50N)	54	°C	ISO 306
Other properties			
Density	0.904	g/cm ³	ISO 1183-1