

## Technical Data Sheet

# DuPure<sup>®</sup> TT 79 V

## Polypropylene Heterophasic Copolymer

### Description

**DuPure TT 79 V** is a controlled rheology modified heterophasic high impact polypropylene copolymer (produced with a phthalate-free catalyst). The product shows an excellent fluidity combined with an advanced nucleation system, resulting in fast cycle-times and a high dimensional stability.

### Applications

**DuPure TT 79 V** is suitable for: thin-walled packaging, buckets, house wares.

### Quality, Environment and Safety Regulations

Material Safety Data Sheets and other regulatory documents are available on our web site <http://www.ducorchem.com>.

Properties		Method	Typical Value*	Unit
<b>Physical</b>				
Melt Flow Rate	(230 °C / 2.16 kg)	ISO 1133	25	g/10 min
<b>Mechanical</b>				
Tensile Modulus	(1 mm/min)	ISO 527-2	1060	MPa
Tensile Stress at Yield	(50 mm/min)	ISO 527-2	21	MPa
Tensile Strain at Yield	(50 mm/min)	ISO 527-2	7	%
Tensile Strain at Break	(50 mm/min)	ISO 527-2	> 50	%
Charpy Impact Strength, notched	(+23 °C)	ISO 179/1eA	17	kJ/m <sup>2</sup>
	(0 °C)	ISO 179/1eA	8	kJ/m <sup>2</sup>
	(-20 °C)	ISO 179/1eA	6	kJ/m <sup>2</sup>
Charpy Impact Strength, unnotched	(+23 °C)	ISO 179/1eU	No Break	kJ/m <sup>2</sup>
	(0 °C)	ISO 179/1eU	190	kJ/m <sup>2</sup>
	(-20 °C)	ISO 179/1eU	160	kJ/m <sup>2</sup>
Izod Impact Strength, notched	(+23 °C)	ISO 180/1A	15	kJ/m <sup>2</sup>
	(0 °C)	ISO 180/1A	8	kJ/m <sup>2</sup>
	(-20 °C)	ISO 180/1A	5	kJ/m <sup>2</sup>
<b>Thermal</b>				
Melting Point, DSC		ISO 3146	165	°C
Heat Deflection Temperature	(1.8 MPa)	ISO 75-2	52	°C
Heat Deflection Temperature	(0.45 MPa)	ISO 75-2	85	°C
Vicat Softening Temperature	(10 N)	ISO 306	145	°C
Vicat Softening Temperature	(50 N)	ISO 306	58	°C
<b>Other Properties</b>				
Density		ISO 1183	0.91	g/cm <sup>3</sup>

\* Typical values; not to be construed as specifications

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