

## Technical Data Sheet

# DuPure<sup>®</sup> SU 76 AV

## Polypropylene Heterophasic Copolymer

### Description

**DuPure SU 76 AV** is a controlled rheology modified, heterophasic copolymer (produced with a phthalate-free catalyst), suitable for injection moulding applications. The product is nucleated and contains anti-electrostatic properties, very good flowability and a good balance of stiffness and impact strength.

### Applications

**DuPure SU 76 AV** is suitable for: general injection moulding, packaging.

### 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	48	g/10 min
<b>Mechanical</b>				
Tensile Modulus	(1 mm/min)	ISO 527-2	1400	MPa
Tensile Stress at Yield	(50 mm/min)	ISO 527-2	27	MPa
Tensile Strain at Yield	(50 mm/min)	ISO 527-2	5.0	%
Tensile Strain at Break	(50 mm/min)	ISO 527-2	40	%
Charpy Impact Strength, notched	(+23 °C)	ISO 179/1eA	6.5	kJ/m <sup>2</sup>
	(0 °C)	ISO 179/1eA	4.0	kJ/m <sup>2</sup>
	(-20 °C)	ISO 179/1eA	3.2	kJ/m <sup>2</sup>
	(-30 °C)	ISO 179/1eA	3.0	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	100	kJ/m <sup>2</sup>
	(-20 °C)	ISO 179/1eU	75	kJ/m <sup>2</sup>
	(-30 °C)	ISO 179/1eU	65	kJ/m <sup>2</sup>
Izod Impact Strength, notched	(+23 °C)	ISO 180/1A	5.0	kJ/m <sup>2</sup>
	(-30 °C)	ISO 180/1A	3.0	kJ/m <sup>2</sup>
Ball Indentation Hardness (H 358/30)		ISO 2039-1	62	MPa
<b>Thermal</b>				
Melting Point, DSC		ISO 3146	163	°C
Heat Deflection Temperature	(1.8 MPa)	ISO 75-2	53	°C
Heat Deflection Temperature	(0.45 MPa)	ISO 75-2	90	°C
Vicat Softening Temperature	(10 N)	ISO 306	151	°C
Vicat Softening Temperature	(50 N)	ISO 306	70	°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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