

DuPure[®] ST 77 A

Polypropylene Heterophasic Copolymer

Description

DuPure ST 77 A is a heterophasic copolymer (produced with a phthalate-free catalyst), suitable for injection moulding applications. The product is nucleated and contains an anti-electrostatic agent, good flowability and a good balance of stiffness and impact strength.

Applications

DuPure ST 77 A 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
Physical				
Melt Flow Rate	(230 °C / 2.16 kg)	ISO 1133	30	g/10 min
Mechanical				
Tensile Modulus	(1 mm/min)	ISO 527-2	1500	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	>50	%
Izod Impact Strength, notched	(+23 °C)	ISO 180/1A	7.8	kJ/m ²
	(-20 °C)	ISO 180/1A	4.2	kJ/m ²
Thermal				
Melting Point, DSC		ISO 3146	165	°C
Heat Deflection Temperature	(0.45 MPa)	ISO 75-2	97	°C
Vicat Softening Temperature	(10 N)	ISO 306	152	°C
Other Properties				
Density		ISO 1183	0.91	g/cm ³

* Typical values; not to be construed as specifications