

DuPure[®] Y 76 A

Polypropylene Homopolymer

Description

DuPure Y 76 A is a nucleated polypropylene homopolymer (produced with a phthalate-free catalyst) with a narrow to medium molecular weight distribution. The product shows an exceptional flowability and excellent stiffness, and anti-electrostatic properties.

Applications

DuPure Y 76 A is suitable for: Injection moulding (thin-walled packaging), compounding.

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	100	g/10 min
Mechanical				
Tensile Modulus	(1 mm/min)	ISO 527-2	1950	MPa
Tensile Stress at Yield	(50 mm/min)	ISO 527-2	39	MPa
Tensile Strain at Yield	(50 mm/min)	ISO 527-2	8	%
Tensile Strain at Break	(50 mm/min)	ISO 527-2	> 20	%
Charpy Impact Strength, notched	(+23 °C)	ISO 179/1eA	2.4	kJ/m ²
	(-30 °C)	ISO 179/1eA	1.8	kJ/m ²
Charpy Impact Strength, unnotched	(+23 °C)	ISO 179/1eU	84	kJ/m ²
	(-30 °C)	ISO 179/1eU	12	kJ/m ²
Izod Impact Strength, notched	(+23 °C)	ISO 180/1A	2.5	kJ/m ²
	(-30 °C)	ISO 180/1A	1.4	kJ/m ²
Ball Indentation Hardness (H 358/30)		ISO 2039-1	90	MPa
Thermal				
Melting Point, DSC		ISO 3146	163	°C
Heat Deflection Temperature	(1.8 MPa)	ISO 75-2	62	°C
Heat Deflection Temperature	(0.45 MPa)	ISO 75-2	105	°C
Vicat Softening Temperature	(10 N)	ISO 306	157	°C
Vicat Softening Temperature	(50 N)	ISO 306	100	°C
Other Properties				
Density		ISO 1183	0.91	g/cm ³

* Typical values; not to be construed as specifications

Ducor Petrochemicals B.V., POB 1038, 3180AA Rozenburg ZH, the Netherlands

Web: <http://www.ducorchem.com/>

Email: sales@ducorchem.com

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