

DuClear[®] Y 73 A

Polypropylene Homopolymer

Description

DuClear Y 73 A is a clarified polypropylene homopolymer (produced with a phthalate-free catalyst). The product is nucleated and shows a very good flowability, stiffness, high transparency and anti-electrostatic properties.

Applications

DuClear Y 73 A is suitable for: thin-walled packaging with high transparency.

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	40	MPa
Tensile Strain at Yield	(50 mm/min)	ISO 527-2	6	%
Tensile Strain at Break	(50 mm/min)	ISO 527-2	> 20	%
Shear Modulus		ISO 6721-2	1000	MPa
Charpy Impact Strength, notched	(+23 °C)	ISO 179/1eA	2	kJ/m ²
	(0 °C)	ISO 179/1eA	1.5	kJ/m ²
	(-30 °C)	ISO 179/1eA	1	kJ/m ²
Charpy Impact Strength, unnotched	(+23 °C)	ISO 179/1eU	70	kJ/m ²
	(-30 °C)	ISO 179/1eU	11	kJ/m ²
Izod Impact Strength, notched	(+23 °C)	ISO 180/1A	2.2	kJ/m ²
	(-30 °C)	ISO 180/1A	1.1	kJ/m ²
Ball Indentation Hardness (H 358/30)		ISO 2039-1	90	MPa
Thermal				
Melting Point, DSC		ISO 3146	165	°C
Heat Deflection Temperature	(1.8 MPa)	ISO 75-2	60	°C
Heat Deflection Temperature	(0.45 MPa)	ISO 75-2	100	°C
Vicat Softening Temperature	(10 N)	ISO 306	155	°C
Vicat Softening Temperature	(50 N)	ISO 306	98	°C
Other Properties				
Haze		ASTM D1003	14	%
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

Last updated: April 2022

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

Email: sales@ducorchem.com

The information contained herein is to our knowledge accurate and reliable as of the date of publication. Ducor Petrochemicals extends no warranties and makes no representations as to the accuracy or completeness of the information contained herein and assumes no responsibility regarding the consequences of its use or for any printing errors. Our products are intended for sale to industrial and commercial customers. It is the customer's responsibility to inspect and test our products in order to satisfy himself as to the suitability of the products for the customer's particular purpose. The customer is also responsible for the appropriate, safe and legal use, processing and handling of our products.