

DuClear[®] QG 85 A Polypropylene Random Copolymer

Description

DuClear QG 85 A is a polypropylene random copolymer (produced with a phthalate-free catalyst), suitable for extrusionthermoforming, injection blow-molding and sheet extrusion. The product is clarified and contains an anti-electrostatic agent, offering excellent clarity combined with high stiffness and gloss. DuClear QG 85 A is an attractive alternative in some specific PVC and A-PET applications.

Applications

DuClear QG 85 A is suitable for: high-transparency food packaging, ready meal trays, drinking cups.

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	5.0	g/10 min
Mechanical				
Tensile Modulus	(1 mm/min)	ISO 527-2	1450	MPa
Tensile Stress at Yield	(50 mm/min)	ISO 527-2	35	MPa
Tensile Strain at Yield	(50 mm/min)	ISO 527-2	9	%
Tensile Strain at Break	(50 mm/min)	ISO 527-2	>40	%
Charpy Impact Strength, notched	(+23°C)	ISO 179/1eA	5.7	kJ/m ²
Charpy Impact Strength, notched	(-20°C)	ISO 179/1eA	2.1	kJ/m²
Charpy Impact Strength, unnotched	(+23°C)	ISO 179/1eU	No Break	kJ/m²
Charpy Impact Strength, unnotched	(-20°C)	ISO 179/1eU	20	kJ/m²
Thermal				
Melting Point, DSC		ISO 3146	155	°C
Heat Deflection Temperature	(0.45 MPa)	ISO 75-2	96	°C
Vicat Softening Temperature	(10 N)	ISO 306	143	°C
Other Properties				
Haze	(1 mm plaque)	ASTM D1003	11	%
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: <u>http://www.ducorchem.com/</u> Last updated: January 2022

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.