

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 extrusion-thermoforming, 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/m ²
Charpy Impact Strength, unnotched	(+23°C)	ISO 179/1eU	No Break	kJ/m ²
Charpy Impact Strength, unnotched	(-20°C)	ISO 179/1eU	20	kJ/m ²
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

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Last updated: January 2022