

DuClear® QG 80 A

Polypropylene Random Copolymer

Ducor Petrochemicals BV

Message:

DuClear QG 80 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 80 A is an attractive alternative in some specific PVC and A-PET applications.

Applications

DuClear QG 80 A is suitable for: high-transparency food packaging, ready meal trays, drinking cups.

General Information			
Additive	Clarifier		
Features	Rigidity, high		
	Highlight		
	Definition, high		
	Compliance of Food Exposure		
	Random copolymer		
Uses	Cup		
	Food packaging		
	Bracket tray		
Agency Ratings	EC 1907/2006 (REACH)		
	EC 1935/2004		
	EN 71-3		
	EU 2000/53/EC		
	EU 2002/96/EC (WEEE)		
	EU 2005/84/EC		
	EU 94/62/EC		
	FDA 21 CFR 176.170(c), Table 1		
	FDA 21 CFR 176.170(c), table 2		
	FDA 21 CFR 177.1520(a) 3 (i)		
	FDA 21 CFR 177.1520(b)		
	FDA 21 CFR 177.1520(c) 3.2a		
	Europe 10/1/2011 12:00:00 AM		
RoHS Compliance	RoHS compliance		
Physical	Nominal Value	Unit	Test Method
Density	0.910	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	6.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method

Tensile Modulus	1450	MPa	ISO 527-2/1
Tensile Stress (Yield)	34.0	MPa	ISO 527-2/50
Tensile Strain			ISO 527-2/50
Yield	9.0	%	ISO 527-2/50
Fracture	> 40	%	ISO 527-2/50
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	5.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	No Break		ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	96.0	°C	ISO 75-2/B
Vicat Softening Temperature	143	°C	ISO 306/A
Melting Temperature (DSC)	155	°C	ISO 3146
Optical	Nominal Value	Unit	Test Method
Haze (1000 μm)	11	%	ASTM D1003

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