Capilene® QU 80 A

Polypropylene Random Copolymer

Carmel Olefins Ltd.

Message:

CAPILENE ® QU 80 A is a polypropylene random copolymer intended for transparent thin wall injection molding articles.
CAPILENE ® QU 80 A features: clarifier and antistatic additives, good organoleptic properties, high flow, good balance of stiffness and impact strength at ambient temperature, energy saving and short cycle time.
CAPILENE ® QU 80 A is suitable for: thin walled packaging items, products with long flow length, household articles, toys and food packaging containers.

General Information			
Additive	Antistatic Clarifier		
Features	Antistatic Fast Molding Cycle Good Impact Resistance Good Organoleptic Properties Good Stiffness High Flow Medium Clarity Random Copolymer		
Uses	Food Packaging Household Goods Thin-walled Packaging Toys		
Agency Ratings	EC 1907/2006 (REACH)		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	35	g/10 min	ASTM D1238, ISO 1133
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength			
Yield [1]	25.0	MPa	ASTM D638
Yield	25.0	MPa	ISO 527-2/50
Tensile Elongation			
Yield [2]	14	%	ASTM D638
Yield	14	%	ISO 527-2/50
Flexural Modulus			

--	1050	MPa	ASTM D790
-- [3]	1050	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact			
23°C	50	J/m	ASTM D256
23°C	4.5	kJ/m^2	ISO 180
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (0.45 MPa, Unannealed)	75.0	°C	ASTM D648, ISO 75-2/B
Vicat Softening Temperature	130	°C	ISO 306/A, ASTM D1525 [4]
Optical	**Nominal Value**	**Unit**	**Test Method**
Haze [5] (1000 µm)	8.0	%	ASTM D1003
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	5.0 mm/min		
4.	Loading 1 (10 N)		
5.	Plaque		

Recommended distributors for this material

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