ESENTTIA 01R25-T

Polypropylene Random Copolymer

Polipropileno del Caribe S.A.

Message:

Characteristics: Natural color highly heat stabilized high molecular weight fractional melt flow rate Random copolymer polypropylene; formulated for extraction resistance; consistent processability; good transparency; high cleanness; good resistance to chemicals and surfactants.
Recommended for: Pipe extrusion and injection molding of Fittings for hot and cool water process, offering exceptional hydrostatic strength combined with excellent chemical resistance and weldability; tanks and pipes for the chemical industry; extrusion blow molding containers.

General Information	
Additive	Heat Stabilizer
Features	Clean/High Purity
	Extraction Resistant
	Food Contact Acceptable
	Good Chemical Resistance
	Heat Stabilized
	High Clarity
	High Molecular Weight
	Random Copolymer
	Weldable
Uses	Containers
	Fittings
	Piping
	Tanks
Agency Ratings	EC 1907/2006 (REACH)
	EC 1935/2004
	EC 2023/2006
	EU 10/2011
	FDA 21 CFR 177.1520(a)(3)(i)(c)(1)
	FDA 21 CFR 177.1520(b)
	FDA 21 CFR 177.1520(c) 3.1a
Appearance	Natural Color
Forms	Pellets
Processing Method	Extrusion Blow Molding
	Injection Molding
	Pipe Extrusion

Physical	Nominal Value	Unit	Test Method

Melt Mass-Flow Rate (MFR) [1] (230°C/2.16 kg)	0.26	g/10 min	ASTM D1238
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [2] (Yield, 3.20 mm, Injection Molded)	25.5	MPa	ASTM D638
Tensile Elongation [3] (Yield, 3.20 mm, Injection Molded)	14	%	ASTM D638
Flexural Modulus - 1% Secant [4] (3.20 mm, Injection Molded)	814	MPa	ASTM D790A
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C, 3.20 mm, Injection Molded)	530	J/m	ASTM D256A
Gardner Impact [5] (23°C, 3.20 mm, Injection Molded)	29.4	J	ASTM D5420

NOTE	
1.	Procedure B
2.	Type I, 50 mm/min
3.	Type I, 50 mm/min
4.	Type I, 1.3 mm/min
5.	Method A

Recommended distributors for this material

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